GRADE 1

TERM 4 2019

MATHEMATICS
ENGLISH /
SETSWANA

RESOURCE PACK

PRINTABLE RESOURCES

The following printable resources are included in this section:

1. Resource sheets

2. Mental mathematics challenge cards: Bilingual version

3. Enrichment activity cards: English version

4. Enrichment activity cards: Setswana version

Resource Sheets

This is a list of the mathematical resources that you will need this term. You need to make sure that you have them for the lessons for which they are recommended.

1. Flard cards – tens and units (Lessons 1–5)
2. Ball and box shapes (Lesson 15)
3. Number board 1–100 (Lesson 20)
4. Number line 0–20 (Lesson 20)
5. 5x table number cards (Lesson 21)
6. 2x table number cards (Lesson 21)
7. 10x table number cards (Lesson 21)
8. 2-D shapes – squares (Lesson 32)
9. 2-D shapes – circles (Lesson 32)
10. 2-D shapes – triangles (Lesson 32)
11. 2-D shapes – squares, circles and triangles (Lesson 33)
12. Symmetry pictures (Lesson 35)
13. Days of the week (Lesson 38)
14. Months of the year (Lesson 38)
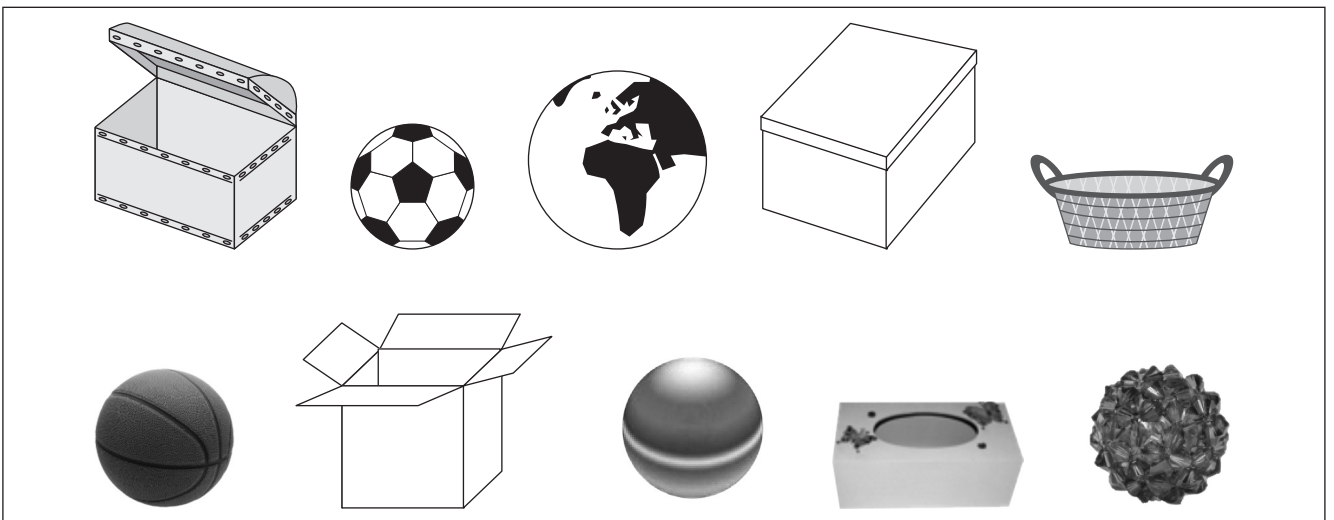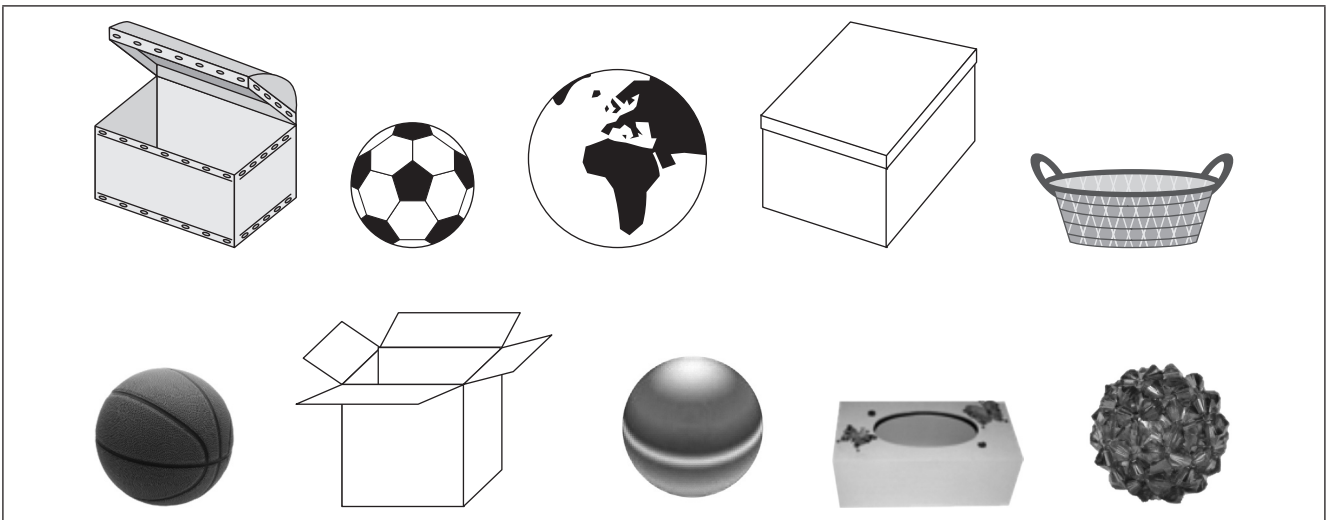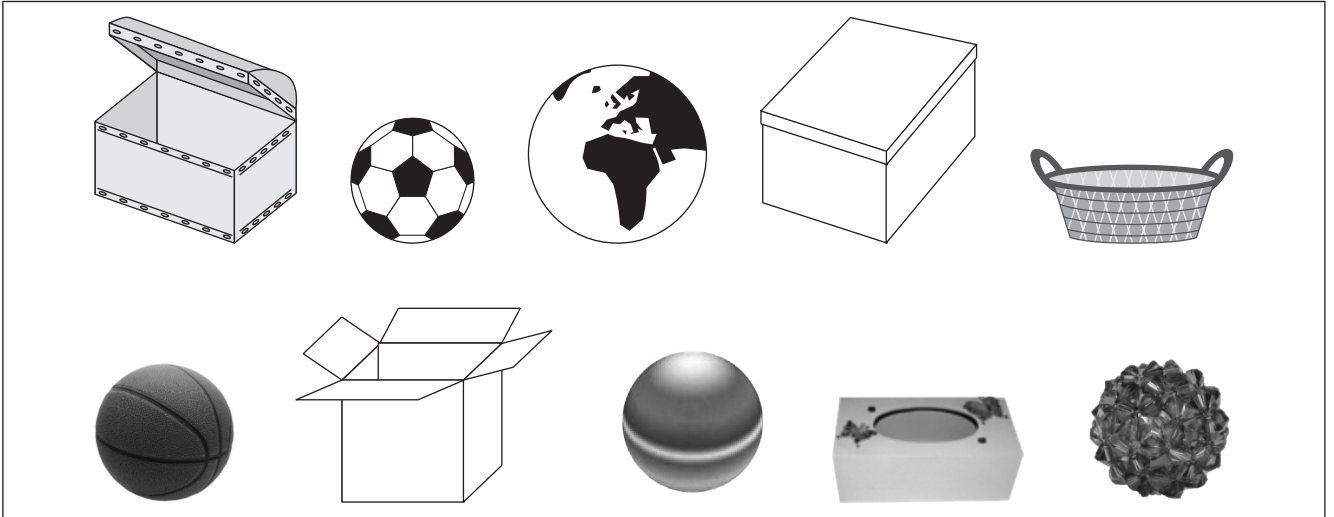
Resources for each day of teaching

There are also other resources such as informal resources (old magazines, pieces of string, scrap paper, etc.) that you may need in certain lessons. You should have a careful look at the list of resources needed for each lesson; this list is given in the lesson plans each day. Prepare yourself, so that you have the necessary resources for the lessons on a daily basis.

1. Flard cards – tens and units (Lessons 1–5)

60	70	80	90
6	7	8	9

10	20	30	40	50
1	2	3	4	5

2. Ball and box shapes (Lesson 15)

3. Number board 1–100 (Lesson 20)

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

4. Number line 0–20 (Lesson 20)

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

5. 5x table number cards (Lesson 21)

5	10	15	20
25	30	35	40
45	50	55	60
65	70	75	80
85	90	95	100

6. 2x table number cards (Lesson 21)

14	28	42	56	70	84	98
12	26	40	54	68	82	96
10	24	38	52	66	80	94
8	22	36	50	64	78	92
6	20	34	48	62	76	90
4	18	32	46	60	74	88
2	16	30	44	58	72	86	100

7. 10x table number cards (Lesson 21)

10	20	30	40
50	60	70	80
90	100		

8. 2-D shapes – squares (Lesson 32)

9. 2-D shapes – circles (Lesson 32)

10. 2-D shapes – triangles (Lesson 32)

11. 2-D shapes – squares, circles and triangles (Lesson 33)

12. Symmetry pictures (Lesson 35)

Monday

Tuesday

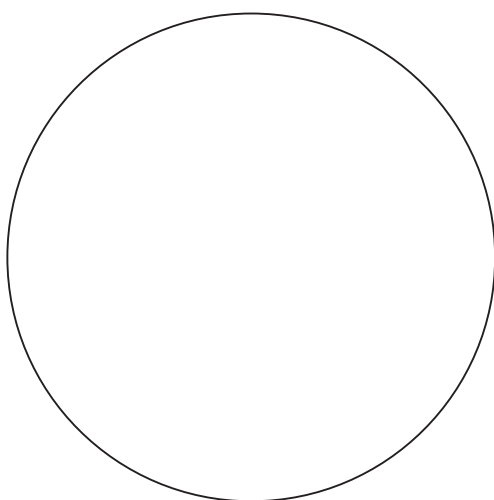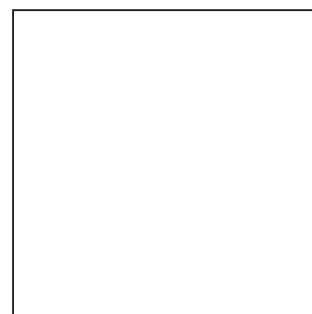Wednesday

Thursday

Friday

Saturday

Sunday

13. Malatsi a beke (Thuto 38)

Mosupologo

Labobedi

Laboraro

Labone

Labotlhano

Lamatlhatso

Latshipi

January	February
March	April
May	June
July	August
September	October
November	December

14. Dikgwedi tsa ngwaga (Thuto 38)

Ferikgong

Tlhakole

Mopitlwe

Moranang

Motsheganong

Seetebosigo

Phukwi

Phatwe

Lwetse

Diphalane

Ngwanaitseele

Sedimonthole

Mental Mathematics Challenge Cards: Bilingual Version

Each term there will be a set of eight mental mathematics challenge cards. If you make them into cards and collect them over the course of the year, you will have a set of one card per teaching week for a year.

Use of the mental mathematics challenge cards

Once a week learners should do mental mathematics in written form, so that there is some record of your daily mental mathematics activities. You can use the **mental mathematics challenge cards** for this purpose.

Learners should not use concrete material to work out the answers in mental mathematics. If learners need to, let them use their fingers as a concrete aid during mental mathematics, but make a note of who they are and then spend time with them during remediation to help them with the basic number and operation skills. Mental mathematics skills improve hugely from Grade 1 to Grade 3. In Grade 1 learners might only manage five questions, especially when they have to write the answers, but by Grade 3 learners should manage ten questions with written answers easily.

Maths Challenge Card 1

Order from biggest to smallest

Tiro ya Dipalo Karata 1

Rulaganya go simolola ka e kgolo go ya go e nnye

1. 18, 11, 15
2. 2, 20, 12
3. 17, 19, 14
4. 13, 16, 9
5. 15, 18, 20
6. 0, 11, 1
7. 20, 0, 10
8. 12, 11, 17
9. 9, 16, 19
10. 8, 15, 13

Maths Challenge Card 2

2 more than

Tiro ya Dipalo Karata 2

Kgolo ka 2 mo go

1. 17
2. 11
3. 14
4. 9
5. 12
6. 18
7. 15
8. 10
9. 13
10. 16

Maths Challenge Card 3

2 less than

Tiro ya Dipalo Karata 3

Nnye ka 2 mo go

1. 17
2. 14
3. 20
4. 16
5. 15
6. 12
7. 18
8. 13
9. 11
10. 19

Maths Challenge Card 4

Double/Use doubles

Tiro ya Dipalo Karata 4

Koketso gabedi/Dirisa dikoketso gabedi

1. 7
2. 6
3. 9
4. 8
5. 5
6. 10
7. 8 + 8 + 1 =
8. 6 + 6 + 1 =
9. 9 + 9 + 1 =
10. 7 + 7 + 1 =

Maths Challenge Card 1: Answers

Order from biggest to smallest

Tiro ya Dipalo Karata 1: Dikarabo

Rulaganya go simolola ka e kgolo go ya go e nnye

1. 18, 15, 11
2. 20, 12, 2
3. 19, 17, 14
4. 16, 13, 9
5. 20, 18, 15
6. 11, 1, 0
7. 20, 10, 0
8. 17, 12, 11
9. 19, 16, 9
10. 15, 13, 8

Maths Challenge Card 2: Answers

2 more than

Tiro ya Dipalo Karata 2: Dikarabo

Kgolo ka 2 mo go

1. 19
2. 13
3. 16
4. 11
5. 14
6. 20
7. 17
8. 12
9. 15
10. 18

Maths Challenge Card 3: Answers

2 less than

Tiro ya Dipalo Karata 3: Dikarabo

Nnye ka 2 mo go

1. 15
2. 12
3. 18
4. 14
5. 13
6. 10
7. 16
8. 11
9. 9
10. 17

Maths Challenge Card 4: Answers

Double/Use doubles

Tiro ya Dipalo Karata 4: Dikarabo

Koketso gabedi/Dirisa dikoketso gabedi

1. 14
2. 12
3. 18
4. 16
5. 10
6. 20
7. 17
8. 13
9. 19
10. 15

Maths Challenge Card 5

Halve/Find half

Tiro ya Dipalo Karata 5

Halofo/Batla halofo

1. 20
2. 14
3. 8
4. 12
5. 17
6. 18
7. 10
8. 6
9. 19
10. 16

Maths Challenge Card 6

Add

Tiro ya Dipalo Karata 6

Go tlhakanya

1. $7 + \underline{\quad} = 10$
2. $10 + \underline{\quad} = 10$
3. $2 + \underline{\quad} = 10$
4. $9 + \underline{\quad} = 10$
5. $5 + \underline{\quad} = 9$
6. $6 + \underline{\quad} = 10$
7. $3 + \underline{\quad} = 9$
8. $5 + \underline{\quad} = 7$
9. $5 + \underline{\quad} = 10$
10. $0 + \underline{\quad} = 8$

Maths Challenge Card 7

Subtract

Tiro ya Dipalo Karata 7

Ntsha

1. $10 - 5 =$
2. $7 - 3 =$
3. $9 - 2 =$
4. $10 - 6 =$
5. $8 - 4 =$
6. $7 - 7 =$
7. $10 - 4 =$
8. $9 - 8 =$
9. $8 - 5 =$
10. $10 - 7 =$

Maths Challenge Card 8

Add and subtract 0–10

Tiro ya Dipalo Karata 8

Go tlhakanya le go ntsha 0–10

1. $2 + 8 =$
2. $9 - 5 =$
3. $6 + 4 =$
4. $10 - 5 =$
5. $3 + 7 =$
6. $7 - 4 =$
7. $6 + 0 =$
8. $9 - 3 =$
9. $5 + 2 =$
10. $10 - 4 =$

Maths Challenge Card 5: Answers

Halve/Find half

Tiro ya Dipalo Karata 5: Dikarabo

Halofo/Batla halofo

1. 10
2. 7
3. 4
4. 6
5. 8 and 1 left over / le 8 go sala 1
6. 9
7. 5
8. 3
9. 9 and 1 left over / le 9 go sala 1
10. 8

Maths Challenge Card 6: Answers

Add

Tiro ya Dipalo Karata 6: Dikarabo

Go tlhakanya

1. 3
2. 0
3. 8
4. 1
5. 4
6. 4
7. 6
8. 2
9. 5
10. 8

Maths Challenge Card 7: Answers

Subtract

Tiro ya Dipalo Karata 7: Dikarabo

Ntsha

1. 15
2. 4
3. 7
4. 4
5. 4
6. 0
7. 6
8. 1
9. 3
10. 3

Maths Challenge Card 8: Answers

Add and subtract 0–10

Tiro ya Dipalo Karata 8: Dikarabo

Go tlhakanya le go ntsha 0–10

1. 10
2. 4
3. 10
4. 5
5. 10
6. 3
7. 6
8. 6
9. 7
10. 6

Enrichment Activity Cards: English Version

Each term a set of new enrichment cards will be provided. You should retain this set, as they will not be reproduced each term.

Use of the enrichment activity cards

Optional as required.

These cards include activities that you can use for enrichment opportunities for learners who have completed the lesson activities ahead of the rest of the class. Learners should work on these cards independently or with their peers who have also completed the classwork. You may need to explain some of the activities to the learners who use them. You should remind them to ask you questions about any of the enrichment activities that they are doing, so that you can guide them as necessary.

You should photocopy the enrichment cards, paste them onto cardboard and laminate them (if possible), so that they can be used as a resource, not only this year but in the future as well.

Put the laminated cardboard cards into a box in a set place in your classroom, so that learners know where to find them. These cards are for all learners and do not have to be used in a particular order. Learners should keep a record of the cards that they have done, so that they continue to choose a new card each time they go to the box. Learners must be taught to replace the cards in numeric order in the box, so that everyone who looks for cards can easily find the one they want to use.

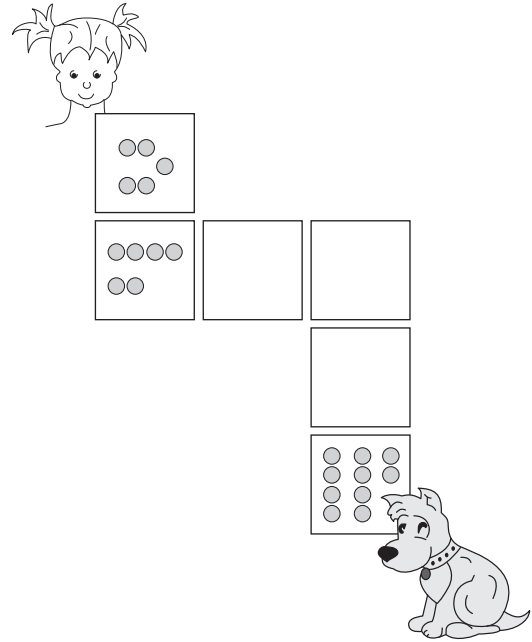## Enrichment Activity 4.1

Count the different shapes.
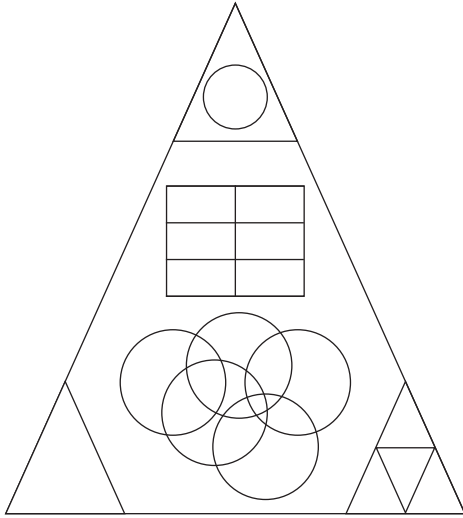
How many △ are there? _____

How many ▭ are there? _____

How many ◯ are there? _____

Enrichment Activity 4.2

Help Sarah to find her lost dog by filling in the rest of the counters.
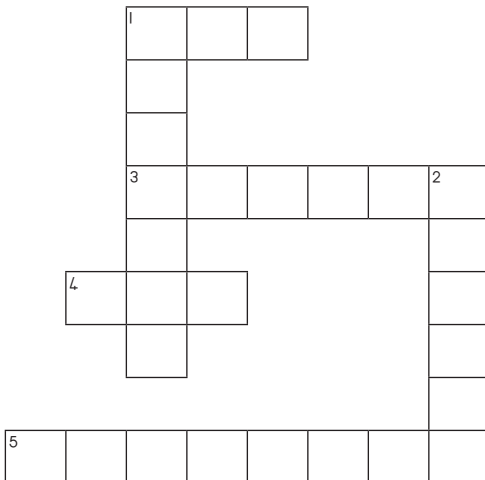
Enrichment Activity 4.3

Work out the problems and complete the crossword puzzle by filling in the number names.
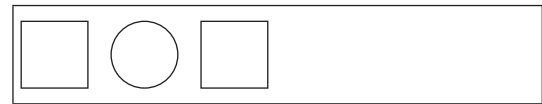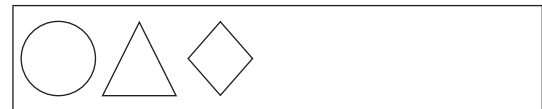
Down
1. 10 + 6 =
2. 6 + 5 =
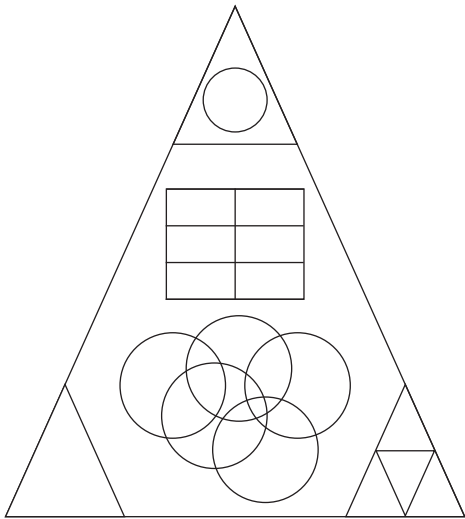
**Across**
1. 12 - 6 =
3. 6 + 6 =
4. 20 – 10 =
5. 8 + 11 =

Enrichment Activity 4.4

Complete the following patterns.

Enrichment Activity 4.1: Answers

Count the different shapes.

How many △ are there? (**8**)

How many ▭ are there? (**14**)

How many ◯ are there? (**6**)

Enrichment Activity 4.2: Answers

Help Sarah to find her lost dog by filling in the rest of the counters.
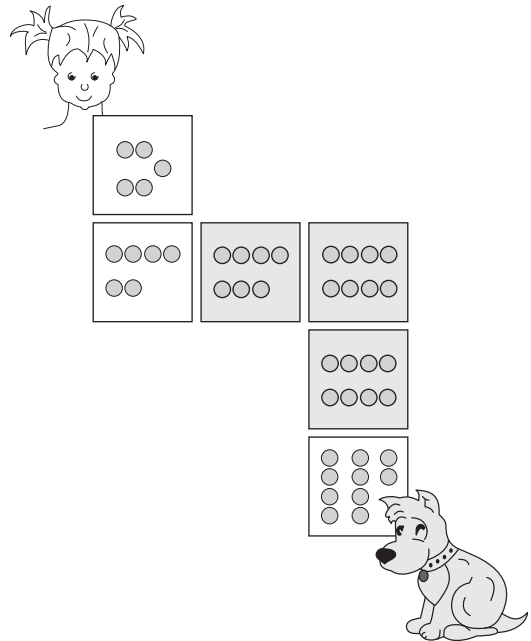
Enrichment Activity 4.3: Answers

Work out the problems and complete the crossword puzzle by filling in the number names.

Down
1. 10 + 6 =
2. 6 + 5 =

Across
1. 12 - 6 =
3. 6 + 6 =
4. 20 – 10 =
5. 8 + 11 =
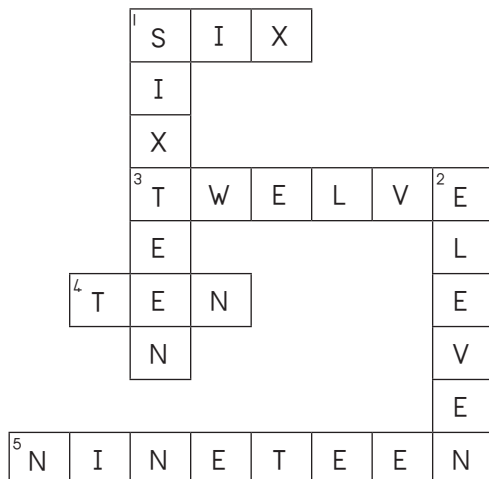
Enrichment Activity 4.4: Answers

Complete the following patterns.
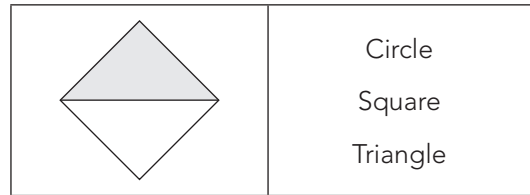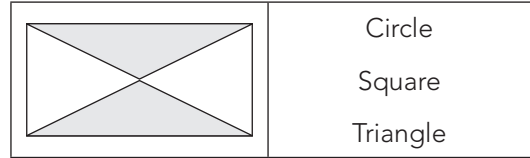

25
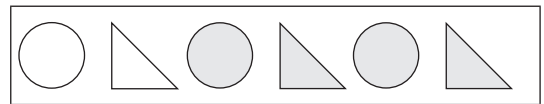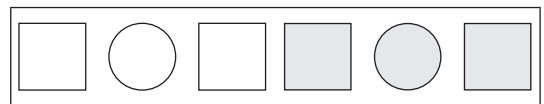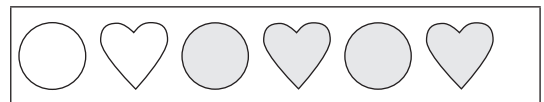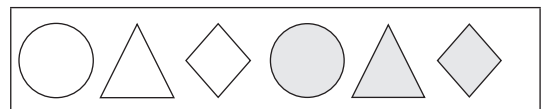
Enrichment Activity 4.5

Work out the pattern to complete the worm.
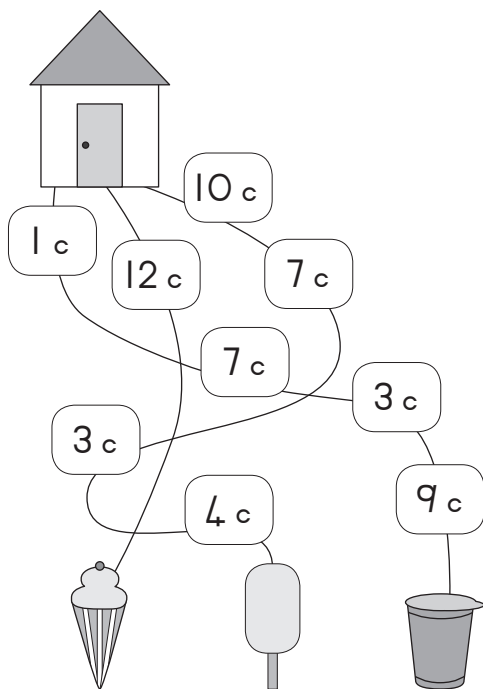
10

6

2
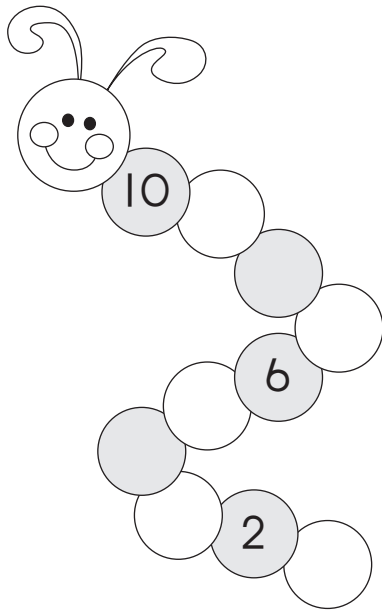
Enrichment Activity 4.6

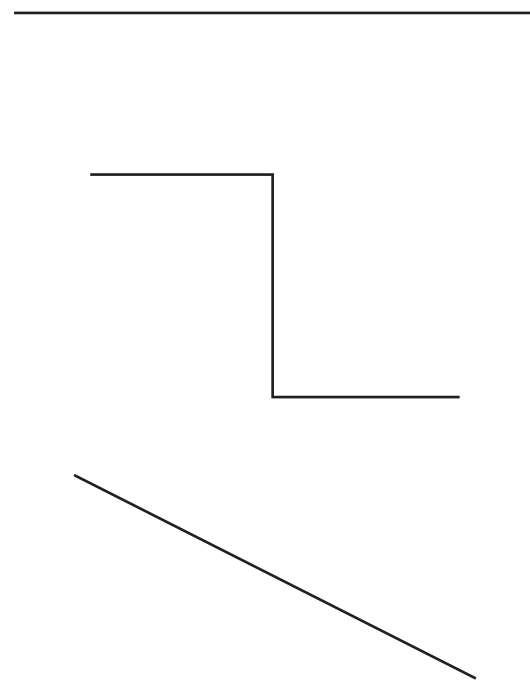What shape or shapes are coloured?

Choose the correct answer.

	Circle Square Triangle
	Circle Square Triangle
	Circle Square Triangle
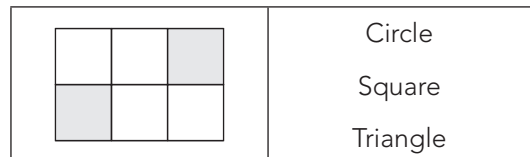
Enrichment Activity 4.7

Add up the money on each path and then circle the ice-cream that is the cheapest.

10 c

1 c

12 c

7 c

7 c

3 c

3 c

9 c

4 c

Enrichment Activity 4.8

Circle the line that is the longest. You may not use a ruler to measure the lines.
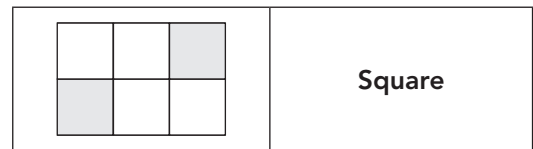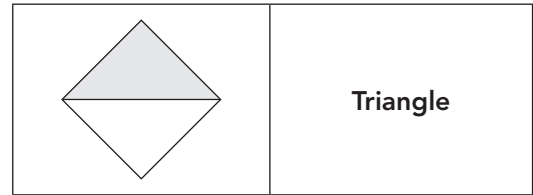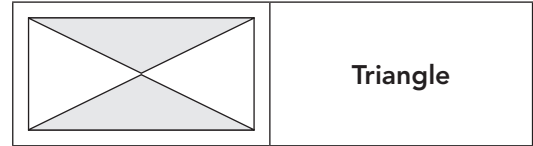
Enrichment Activity 4.5: Answers

Work out the pattern to complete the worm.
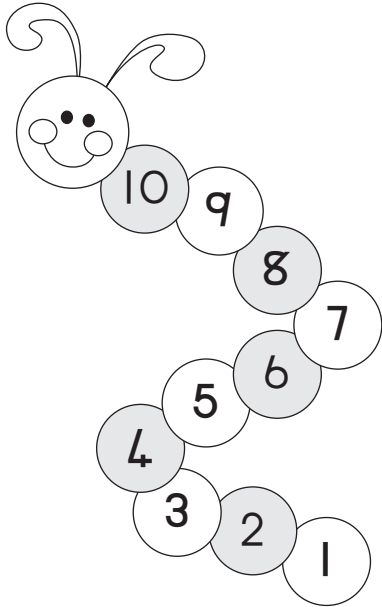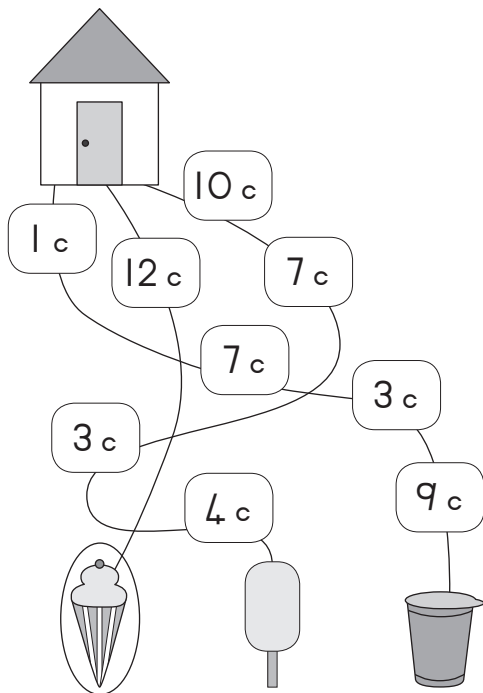

Enrichment Activity 4.6: Answers

What shape or shapes are coloured?

Choose the correct answer.

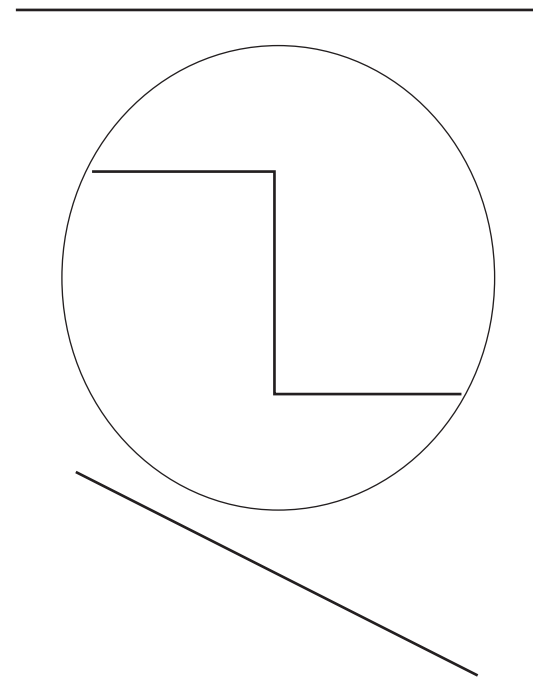|	
	Triangle
	Triangle
	Square

Enrichment Activity 4.7: Answers

Add up the money on each path and then circle the ice-cream that is the cheapest.
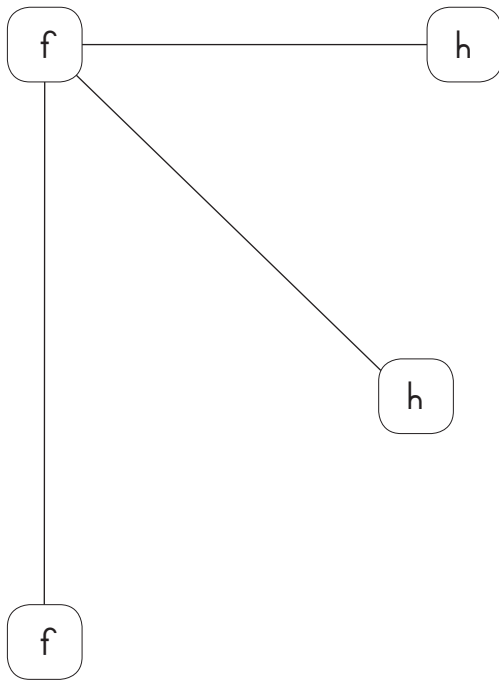

Enrichment Activity 4.8: Answers

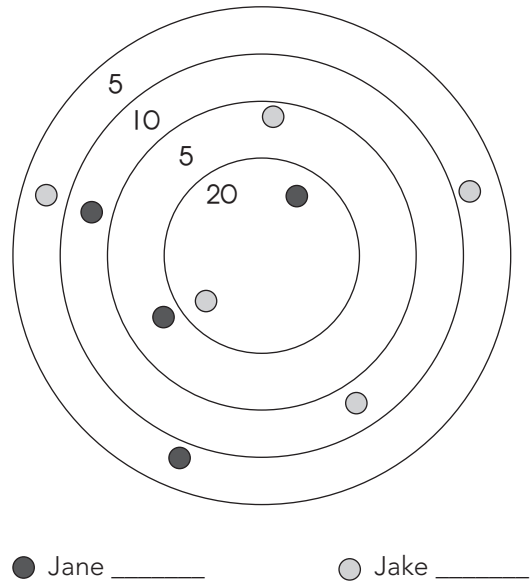Circle the line that is the longest. You may not use a ruler to measure the lines.
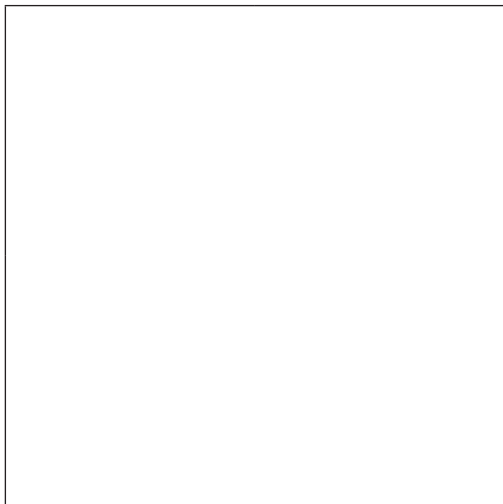
Enrichment Activity 4.9

Circle the longest line.

f ——— h

f
h
f

Enrichment Activity 4.10

Jane and Jake are playing marbles.
Add their scores to see who is winning.
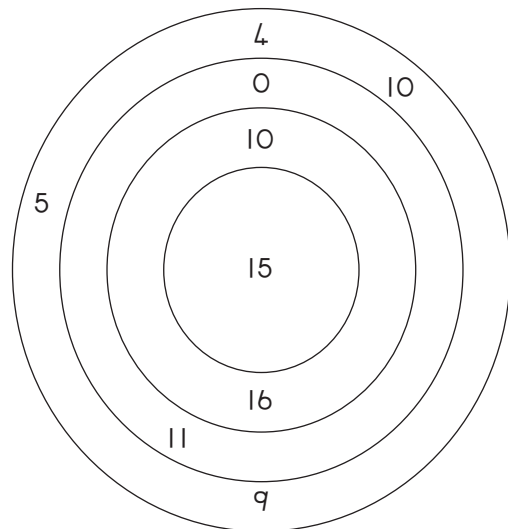
5
10
5
20

● Jane _____   ○ Jake _____

Enrichment Activity 4.11

Divide this square into 4 smaller squares.

Enrichment Activity 4.12

Use the numbers to see how many sums you can make with 20 as the answer.
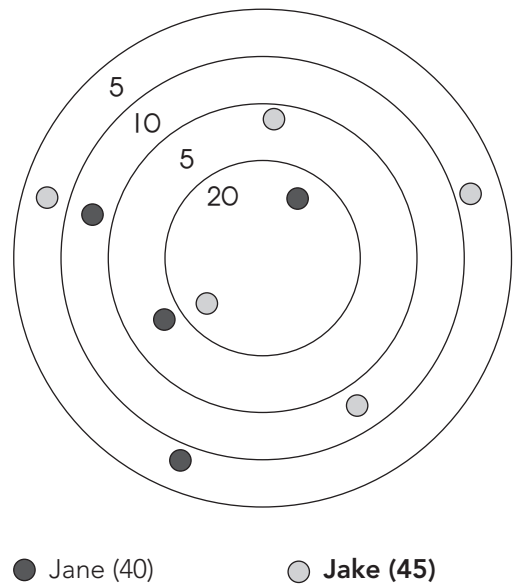
4
0
10
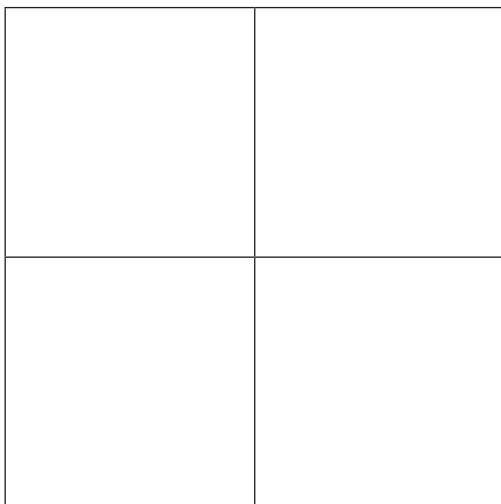10
5
15
16
11
9

Enrichment Activity 4.9: Answers

Circle the longest line.
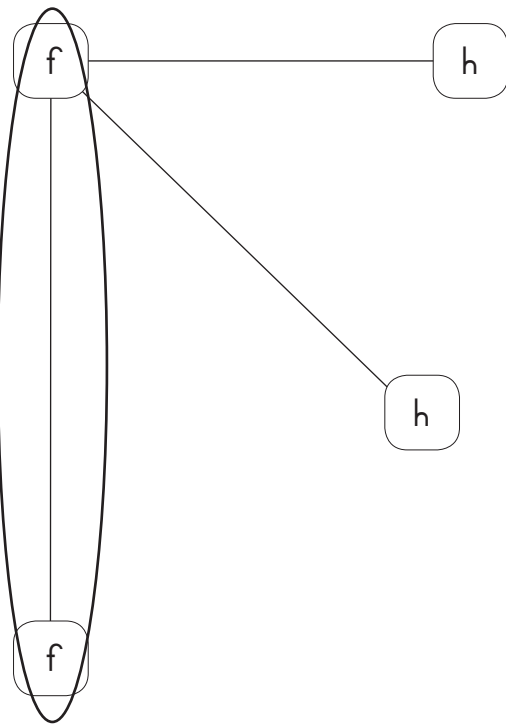
Enrichment Activity 4.10: Answers

Jane and Jake are playing marbles.

Add their scores to see who is winning.
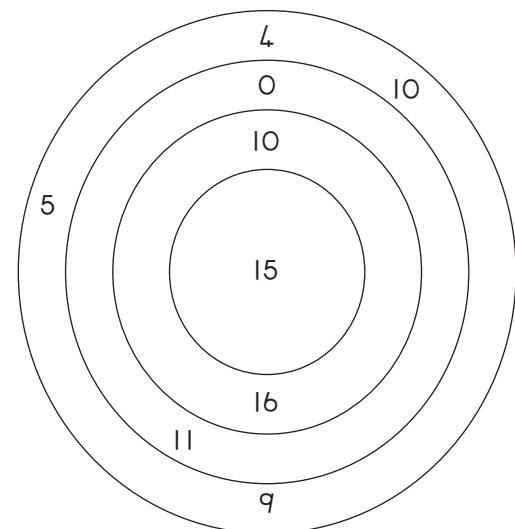

● Jane (40)   ◌ **Jake (45)**

Enrichment Activity 4.11: Answers

Divide this square into 4 smaller squares.

Enrichment Activity 4.12: Answers

Use the numbers to see how many sums you can make with 20 as the answer.

You can make 4 sums:

10 + 10, 15 + 5, 11 + 9, 16 + 4.

Enrichment Activity 4.13

Match the problems in Block A with the answers in Block B.

Block A	Block B
5 + 14 =	18
20 − 2 =	16
16 − 3 =	19
12 + 6 =	10
16 + 0 =	18
10 + 7 =	18
14 − 4 =	6
17 + 1 =	17
15 − 9 =	13

Enrichment Activity 4.14

Try to work out the sums in these blocks.

+	8	1	10
2			
4			
6			
8			
10			

Enrichment Activity 4.15

How many △ do you see?
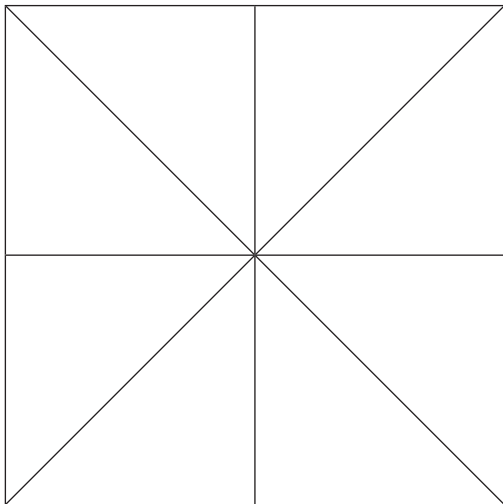
12 Triangles   16 Triangles

13 Triangles   14 Triangles

Enrichment Activity 4.16

Match the numbers with the number names.

Numbers	Number names
8	Two
10	Seven
9	Eight
7	Nine
2	Ten
4	Three
3	Four

Enrichment Activity 4.13: Answers

Match the problems in Block A with the answers in Block B.

Block A	Block B
5 + 14 =	18
20 – 2 =	16
16 – 3 =	19
12 + 6 =	10
16 + 0 =	18
10 + 7 =	18
14 – 4 =	6
17 + 1 =	17
15 – 9 =	13

Enrichment Activity 4.14: Answers

Try to work out the sums in these blocks.

+	8	1	10
2	10	3	12
4	12	5	14
6	14	7	16
8	16	9	18
10	18	11	20

Enrichment Activity 4.15: Answers

How many △ do you see?
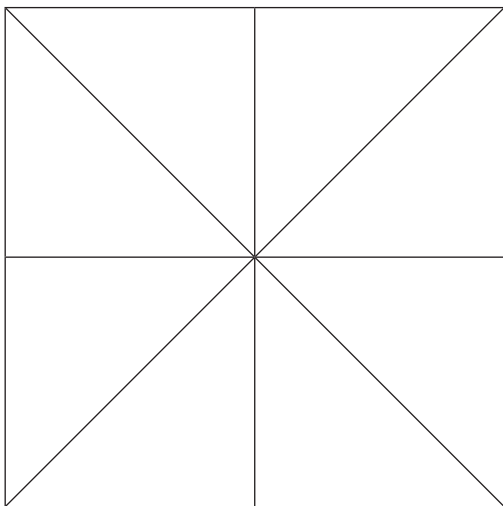
16 Triangles

Enrichment Activity 4.16: Answers

Match the numbers with the number names.

Numbers	Number names
8	Eight
10	Ten
9	Nine
7	Seven
2	Two
4	Four
3	Three

Enrichment Activity 4.17

Complete the table by working out the sums.

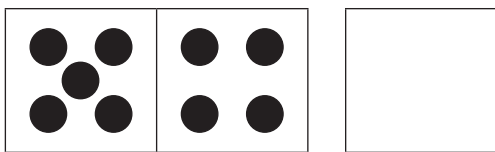| +	5	4	2
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Enrichment Activity 4.18
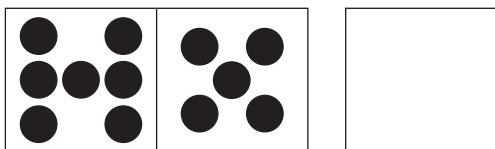
Complete the pattern.

0
20
6
14
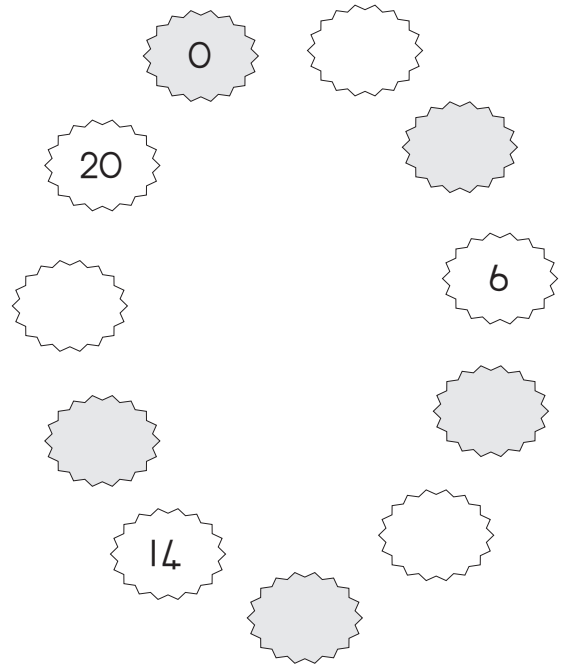
Enrichment Activity 4.19

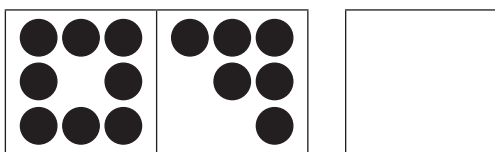Add the dots on the dominoes and fill in the answers.

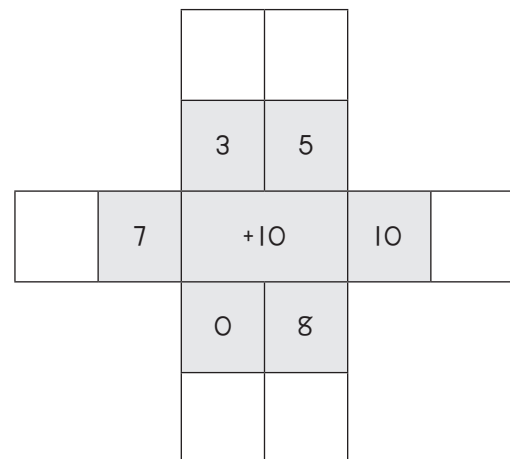How much will it be?

How much will it be?

How much will it be?

Enrichment Activity 4.20
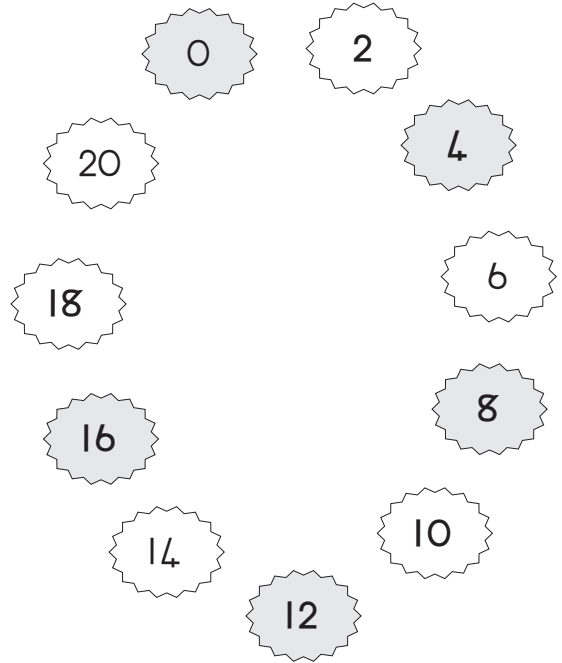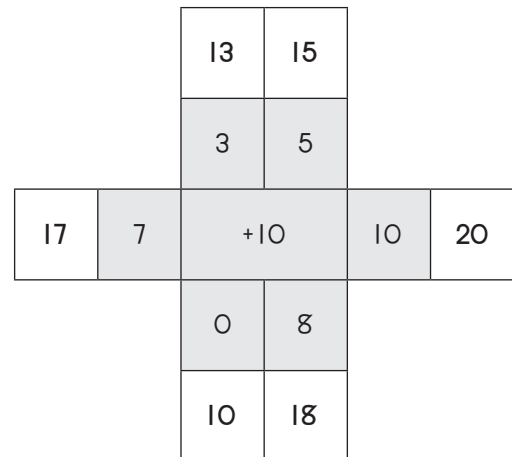
Add the middle number to other numbers.

	3	5	
7	+10	10	
	0	8	

Enrichment Activity 4.17: Answers

Complete the table by working out the sums.

+	5	4	2
1	6	5	3
2	7	6	4
3	8	7	5
4	9	8	6
5	10	9	7
6	11	10	8
7	12	11	9
8	13	12	10
9	14	13	11
10	15	14	12

Enrichment Activity 4.18: Answers

Complete the pattern.

Enrichment Activity 4.19: Answers

Add the dots on the dominoes and fill in the answers.

How much will it be?

9

How much will it be?

12

How much will it be?

14

Enrichment Activity 4.20: Answers

Add the middle number to other numbers.

Enrichment Activity 4.21

Calculate the following and draw a line to the answer.
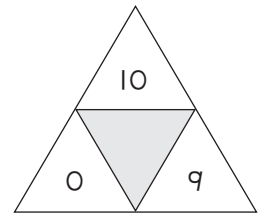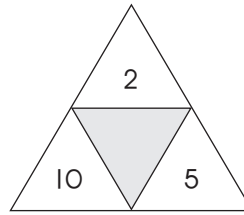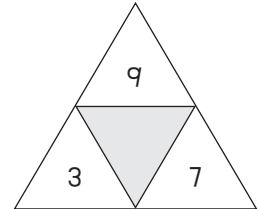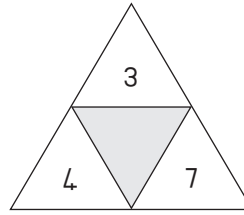
14 + 1 =

23

3 + 20 =
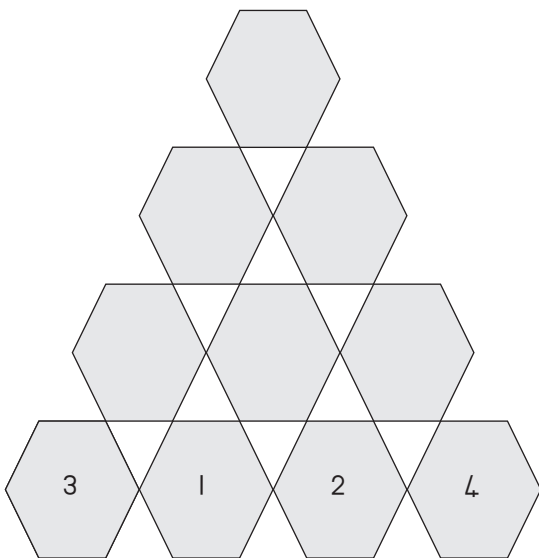
15

17 – 3 =

12

19 – 7 =

14

Enrichment Activity 4.22

Add the numbers to find the number in the middle.

Enrichment Activity 4.23

The number in each hexagon is made up by adding the numbers in the two hexagons below it. Calculate the missing numbers.
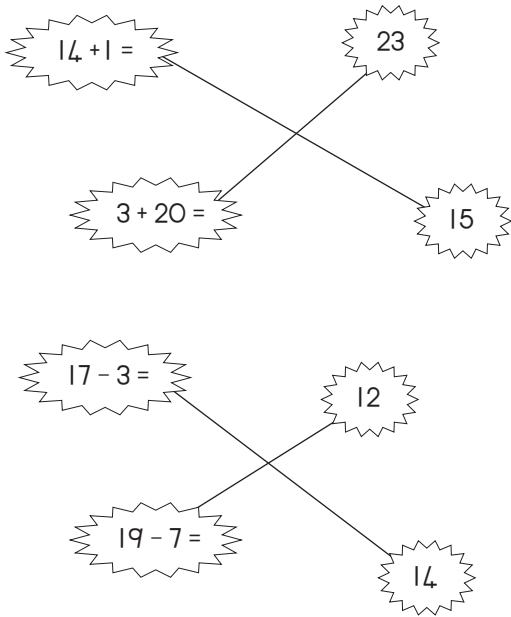

Enrichment Activity 4.24

Calculate each row of the puzzle.
Fill in the answers. Calculate each column of the puzzle.

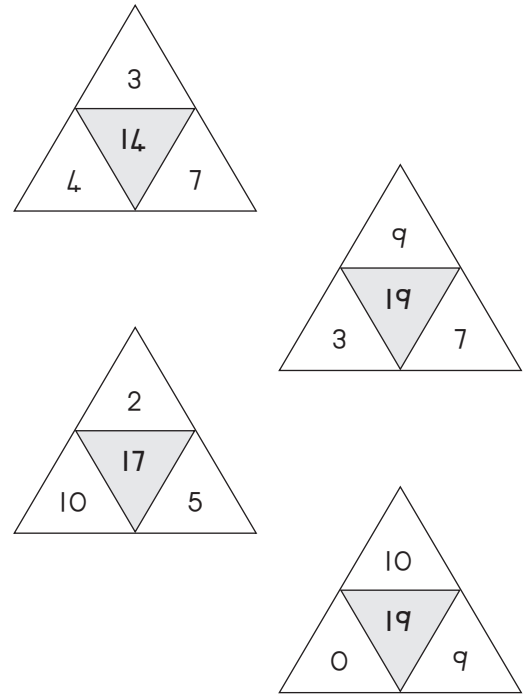| 4	+	2	=	
+		+		+
3	+	7	=	
=		=		=
	+		=	

Enrichment Activity 4.21: Answers

Calculate the following and draw a line to the answer.

14 + 1 =   23

3 + 20 =   15

17 – 3 =   12

19 – 7 =   14

Enrichment Activity 4.22: Answers

Add the numbers to find the number in the middle.

3
14
4   7

9
19
3   7

2
17
10   5

10
19
0   9

Enrichment Activity 4.23: Answers

The number in each hexagon is made up by adding the numbers in the two hexagons below it. Calculate the missing numbers.
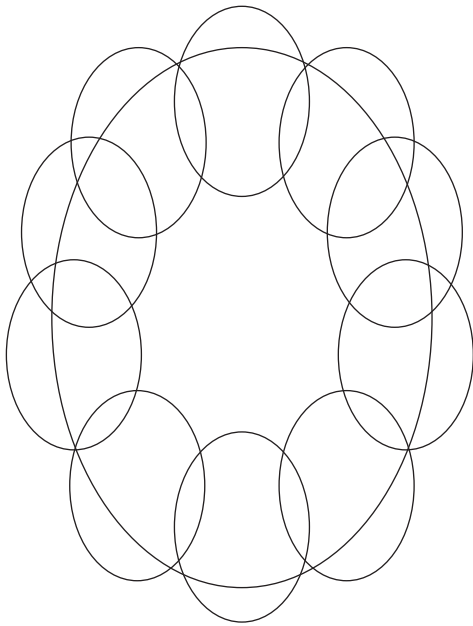
16

7   9

4   3   6

3   1   2   4
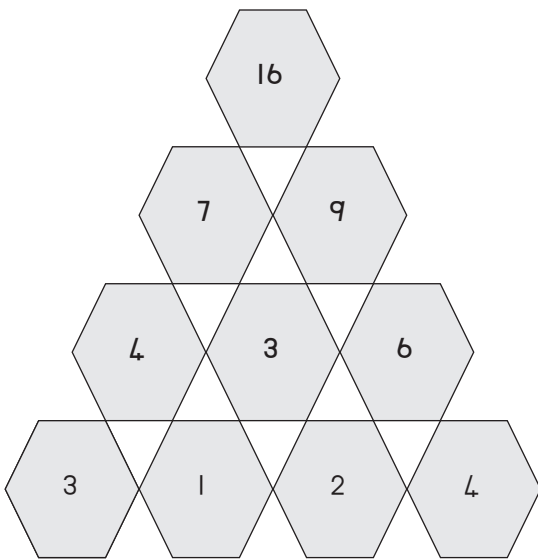
Enrichment Activity 4.24: Answers

Calculate each row of the puzzle.
Fill in the answers. Calculate each column of the puzzle.

4	+	2	=	6
+		+		+
3	+	7	=	10
=		=		=
7	+	9	=	16

Enrichment Activity 4.25

How many ovals do you see?
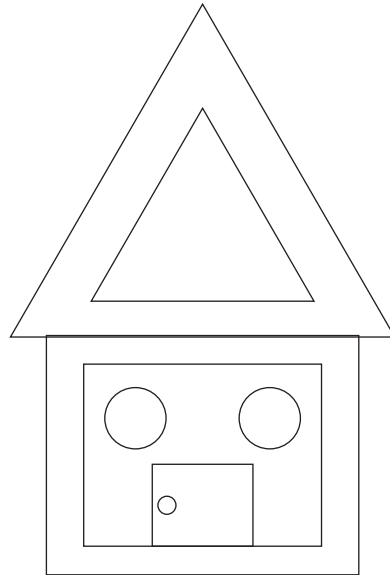
11   24   14

Enrichment Activity 4.26

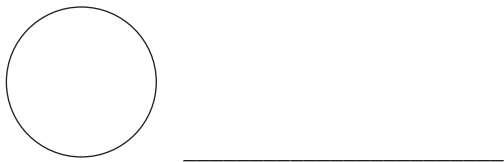How many ▭ do you see?
How many ○ do you see?
How many △ do you see?

Enrichment Activity 4.27
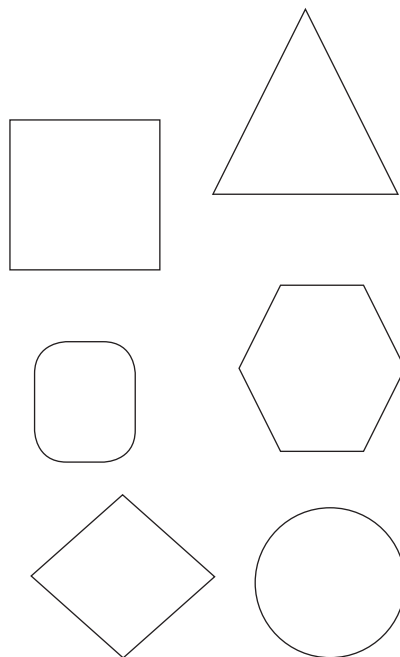
Name the different shapes.
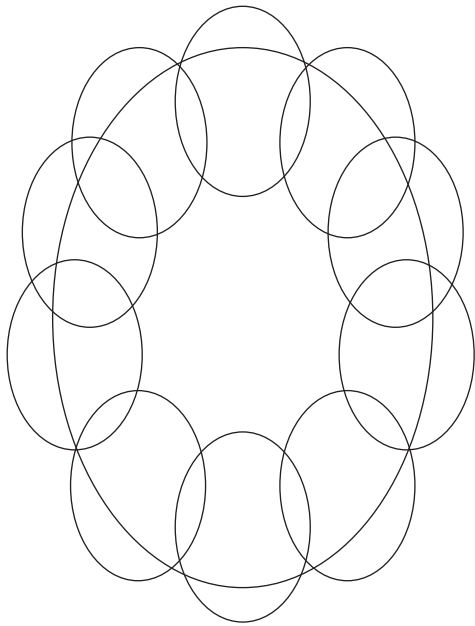
These words will help you:

triangle, circle, square.

_____

_____

_____

Enrichment Activity 4.28

Use these shapes to draw a picture.

Enrichment Activity 4.25: Answers

How many ovals do you see?

11   24   14
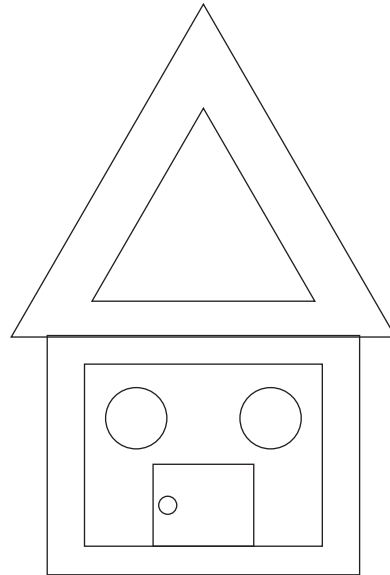
Enrichment Activity 4.26: Answers

How many ▭ do you see? (**3**)
How many ○ do you see? (**3**)
How many △ do you see? (**2**)

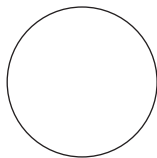**Enrichment Activity 4.27: Answers**

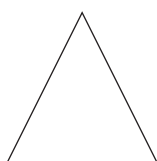Name the different shapes.

These words will help you:

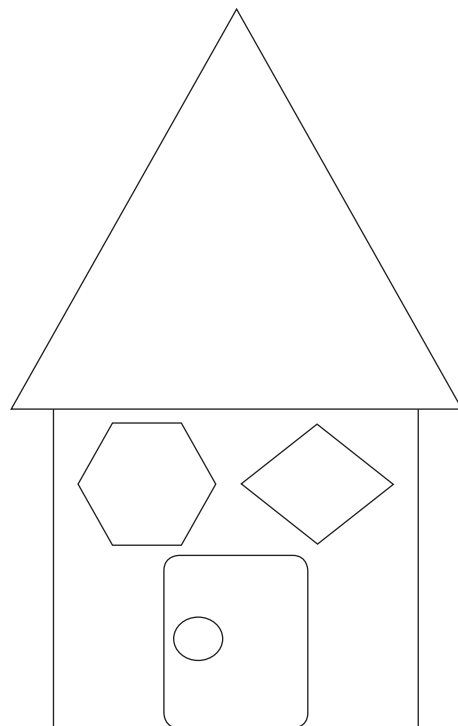triangle, circle, square.

square

circle

triangle

Enrichment Activity 4.28: Answers

Use these shapes to draw a picture.

Enrichment Activity 4.29

Add each row of numbers to get an answer.

=			=
3			5
	7	2	
		9	
	8	1	
0			7
=			=

Enrichment Activity 4.30
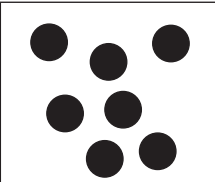
Write the number names for each of the following numbers.
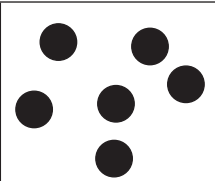
8	
2	
3	
7	
9	
10	
5	
4	
1	
6	

Enrichment Activity 4.31

Add 10 and draw your answer on the right hand side.

Enrichment Activity 4.32

Which number is bigger?
Circle the bigger number.

10	or	14
12	or	9
15	or	5
16	or	20
0	or	13
17	or	7
20	or	19
5	or	11
10	or	11

Enrichment Activity 4.29: Answers
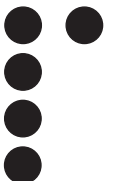
Add each row of numbers to get an answer.

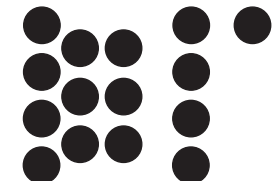| 19				16
=				=

3			5
7		2	
	9		
8		1	
0			7

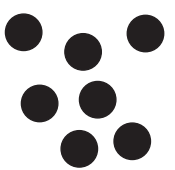| =			=
17			17
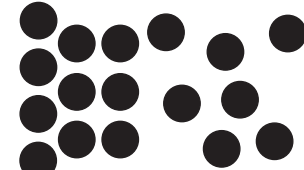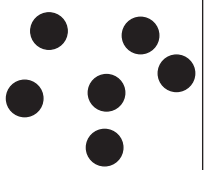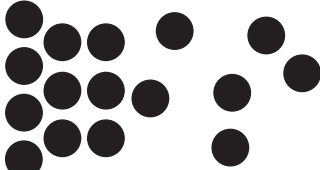
Enrichment Activity 4.30: Answers

Write the number names for each of the following numbers.

8	eight
2	two
3	three
7	seven
9	nine
10	ten
5	five
4	four
1	one
6	six

Enrichment Activity 4.31: Answers

Add 10 and draw your answer on the right hand side.

Enrichment Activity 4.32: Answers

Which number is bigger?
Circle the bigger number.

10	or	(14)
(12)	or	9
(15)	or	5
16	or	(20)
0	or	(13)
(17)	or	7
(20)	or	19
5	or	(11)
10	or	(11)

Enrichment Activity Cards: Setswana Version

Each term a set of new enrichment cards will be provided. You should retain this set, as they will not be reproduced each term.

Use of the enrichment activity cards

Optional as required.

These cards include activities that you can use for enrichment opportunities for learners who have completed the lesson activities ahead of the rest of the class. Learners should work on these cards independently or with their peers who have also completed the classwork. You may need to explain some of the activities to the learners who use them. You should remind them to ask you questions about any of the enrichment activities that they are doing, so that you can guide them as necessary.

You should photocopy the enrichment cards, paste them onto cardboard and laminate them (if possible), so that they can be used as a resource, not only this year but in the future as well.

Put the laminated cardboard cards into a box in a set place in your classroom, so that learners know where to find them. These cards are for all learners and do not have to be used in a particular order. Learners should keep a record of the cards that they have done, so that they continue to choose a new card each time they go to the box. Learners must be taught to replace the cards in numeric order in the box, so that everyone who looks for cards can easily find the one they want to use.

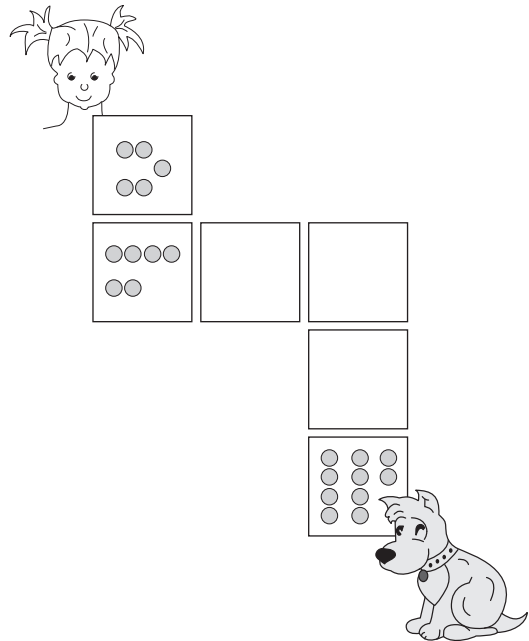## Tirwana ya Khumiso 4.1

Bala dibopego tse di farologaneng.
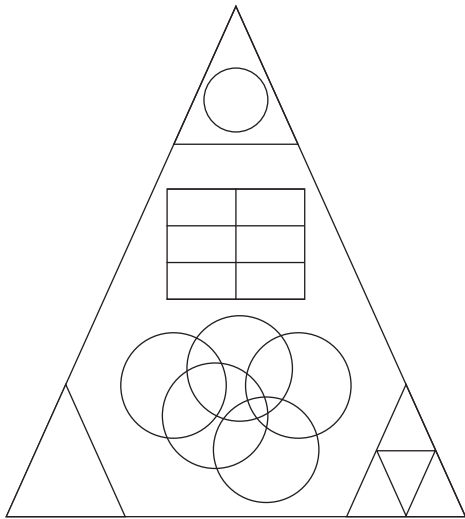
O bona △ tse kae? _____

O bona ▭ tse kae? _____

O bona ○ tse kae? _____

Tirwana ya Khumiso 4.2

Thusa Sarah go bona ntšwa ya gagwe e e latlhegileng ka go tlatsa dibadisi tse di setseng.

Tirwana ya Khumiso 4.3

Dira dipalo tsa go rarabolola le go feleletsa malepakgabaganyo ka go tsenya maina a dipalo.
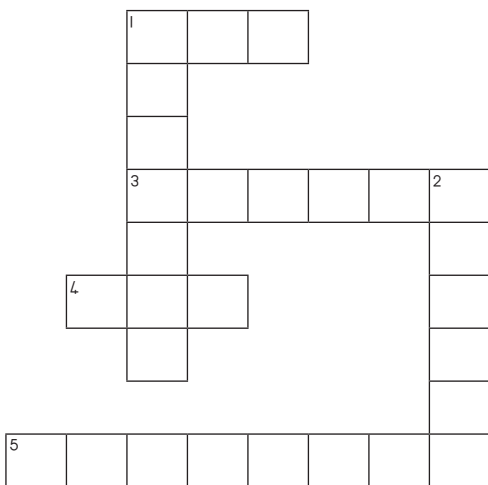
Tlase
1. 10 + 6 =
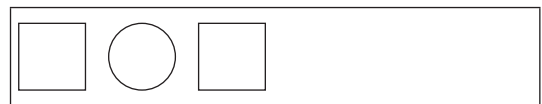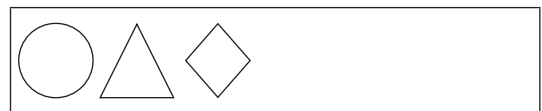2. 6 + 5 =

Kgabaganyo
1. 12 – 6 =
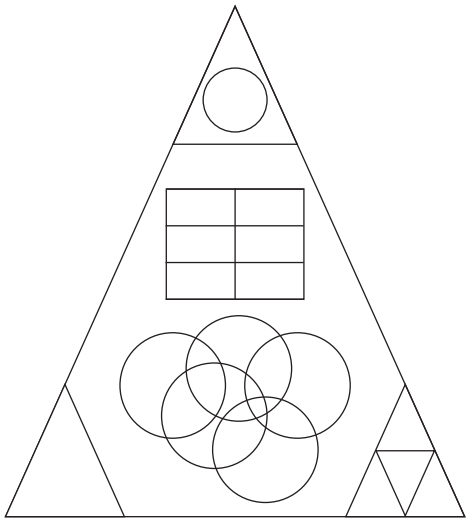3. 6 + 6 =
4. 20 – 10 =
5. 8 + 11 =

Tirwana ya Khumiso 4.4

Feleletsa dipaterone tse di latelang.

Tirwana ya Khumiso 4.1: Dikarabo
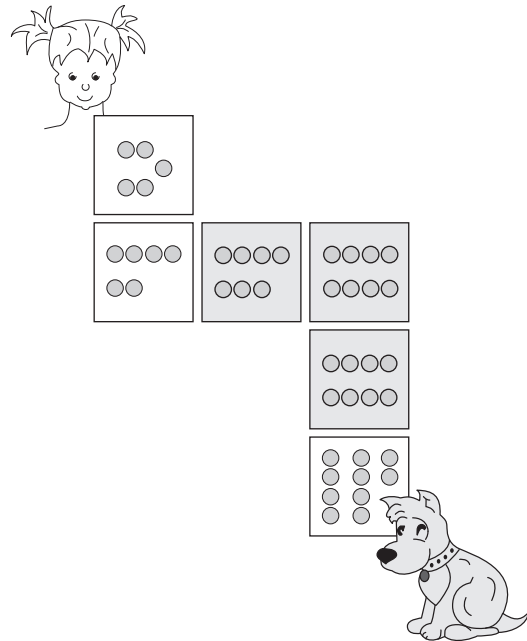
Bala dibopego tse di farologaneng.

O bona △ tse kae? (**8**)

O bona ▭ tse kae? (**14**)

O bona ◯ tse kae? (**6**)

Tirwana ya Khumiso 4.2: Dikarabo

Thusa Sarah go bona ntšwa ya gagwe e e latlhegileng ka go tlatsa dibadisi tse di setseng.
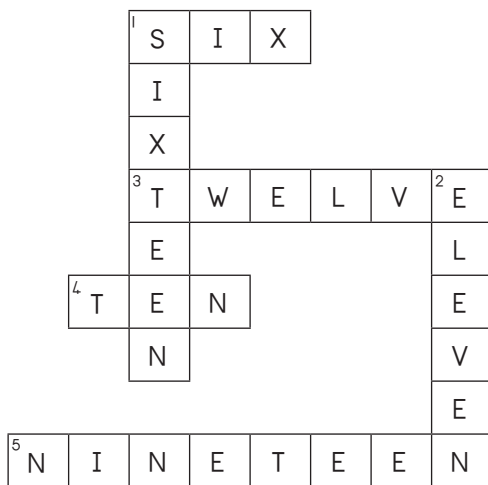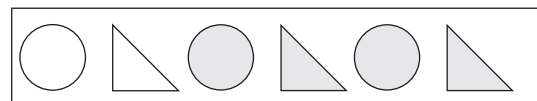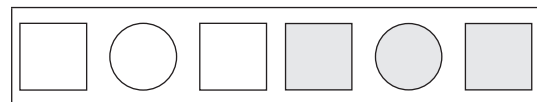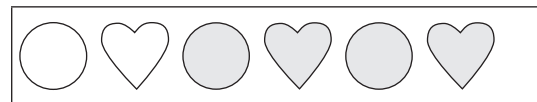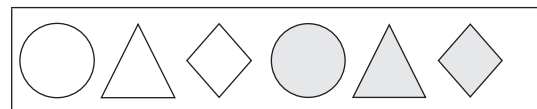
Tirwana ya Khumiso 4.3: Dikarabo

Dira dipalo tsa go rarabolola le go feleletsa malepakgabaganyo ka go tsenya maina a dipalo.

Tlase	Kgabaganyo
1. 10 + 6 =	1. 12 - 6 =
2. 6 + 5 =	3. 6 + 6 =
	4. 20 – 10 =
	5. 8 + 11 =

Crossword:
- 1. SIX / SIX (down)
- 3. TWELVE / 2. ELEVEN (down)
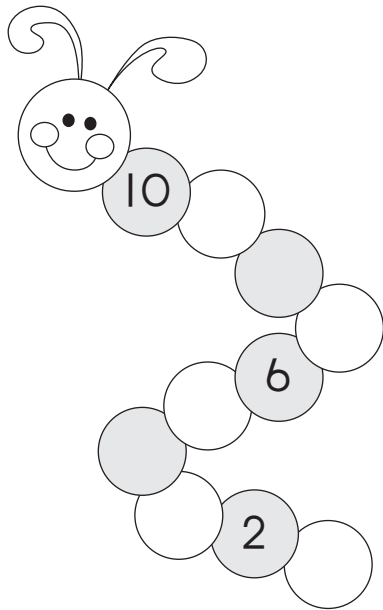- 4. TEN / TEN (down)
- 5. NINETEEN

Tirwana ya Khumiso 4.4: Dikarabo

Feleletsa dipaterone tse di latelang.
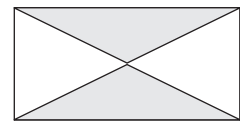
Tirwana ya Khumiso 4.5

Dira paterone gore o feleletse seboko.

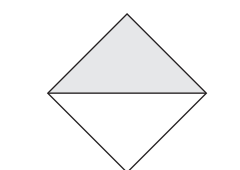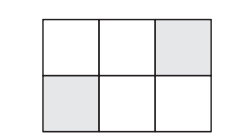## Tirwana ya Khumiso 4.6

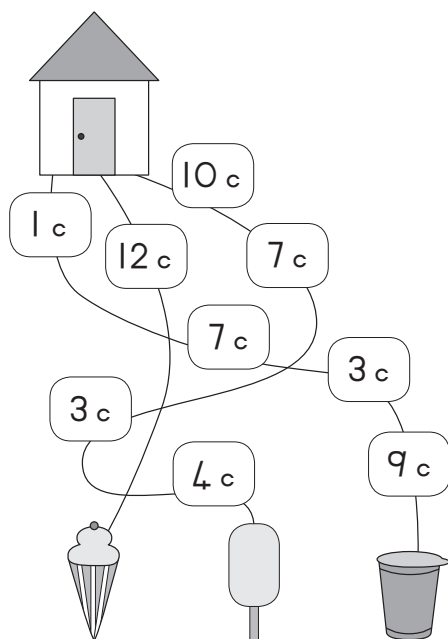Ke dibopego dife tse di khalarilweng?

Tlhopha karabo e e nepagetseng.

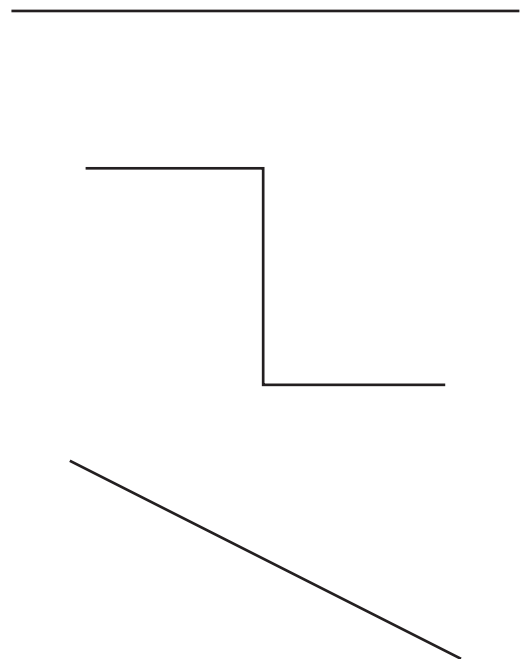|	
	Sediko Sekwere Khutlothao
	Sediko Sekwere Khutlothao
	Sediko Sekwere Khutlothao

Tirwana ya Khumiso 4.7

Tlhakanya madi mo tseleng nngwe le nngwe mme morago o sekeletse kana o thale sediko mo bebetsididing e e tlhotlhwatlase.
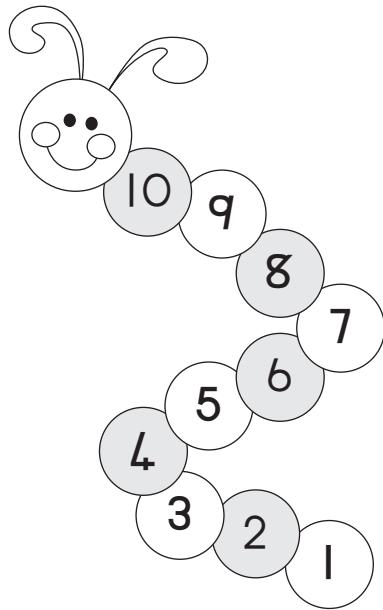

Tirwana ya Khumiso 4.8

Sekeletsa kana thala sediko mo moleng o moleeleleele. O se ka wa dirisa rula go lekanyetsa mela.
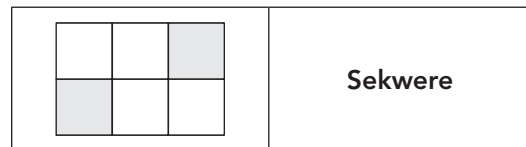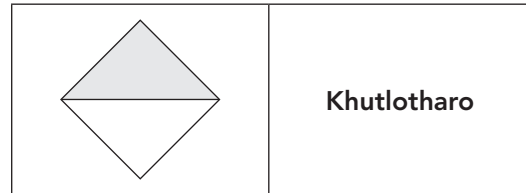
Tirwana ya Khumiso 4.5: Dikarabo

Dira paterone gore o feleletse seboko.

Tirwana ya Khumiso 4.6: Dikarabo

Ke dibopego dife tse di khalarilweng?

Tlhopha karabo e e nepagetseng.

	Khutlotharo
	Khutlotharo
	Sekwere

Tirwana ya Khumiso 4.7: Dikarabo

Tlhakanya madi mo tseleng nngwe le nngwe mme morago o sekeletse kana o thale sediko mo bebetsididing e e tlhotlhwatlase.
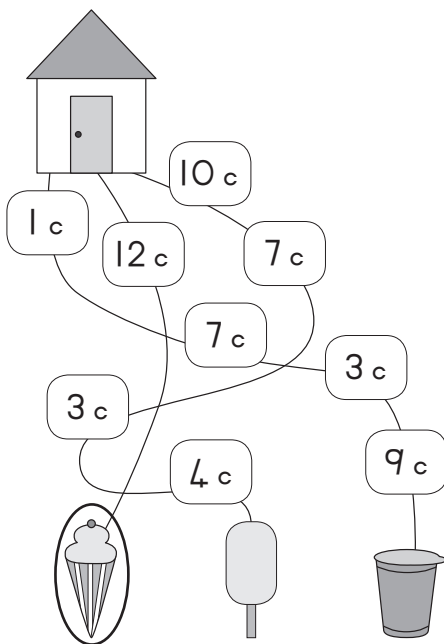
Tirwana ya Khumiso 4.8: Dikarabo

Sekeletsa kana thala sediko mo moleng o moleeleele. O se ka wa dirisa rula go lekanyetsa mela.
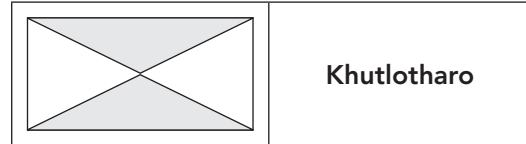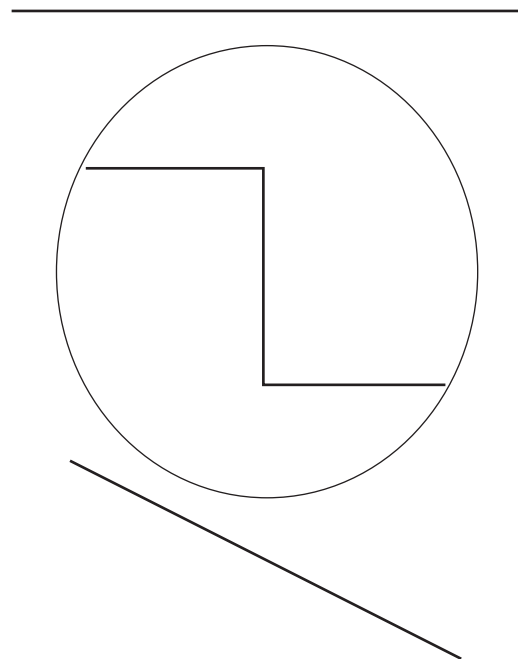
Tirwana ya Khumiso 4.9

Sekeletsa mola o moleeleleele.

f ——————— h

f

h
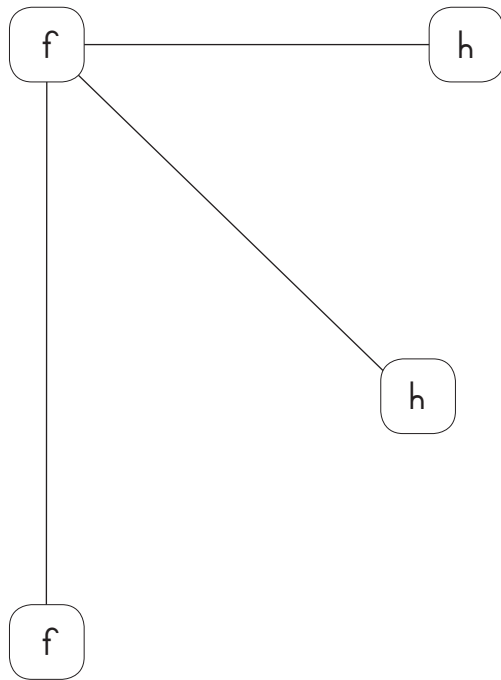
Tirwana ya Khumiso 4.10

Jane le Jake ba tshameka dimmabole.
Tlhakanya dino kana disekoro sa bona go bona
gore ke mang yo o fenyang.

5
10
5
20

● Jane _____   ○ Jake _____

Tirwana ya Khumiso 4.11

Aroganya sekwere se go ya ka dikwere di le nne
tse dinnyanenyana.

Tirwana ya Khumiso 4.12

Dirisa dipalo go bona gore ke dipalo tse kae tse
o ka di dirang 20 e le karabo.

4
0
10
10
15
5
16
11
9

Tirwana ya Khumiso 4.9: Dikarabo
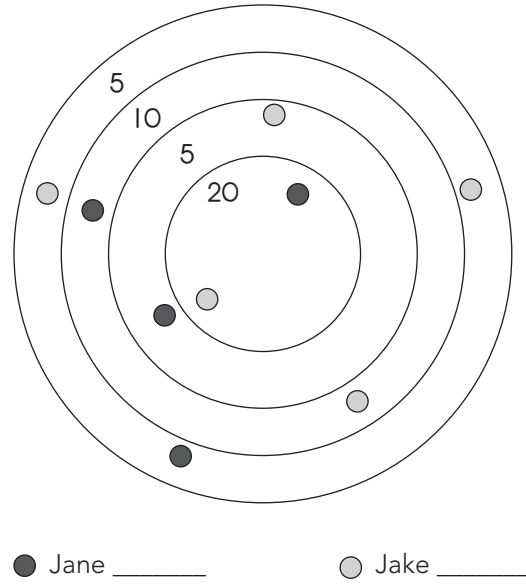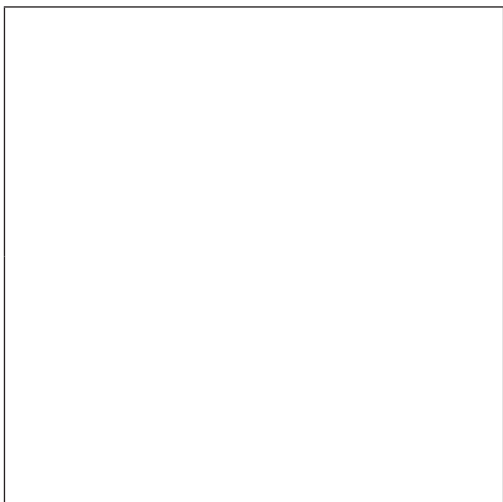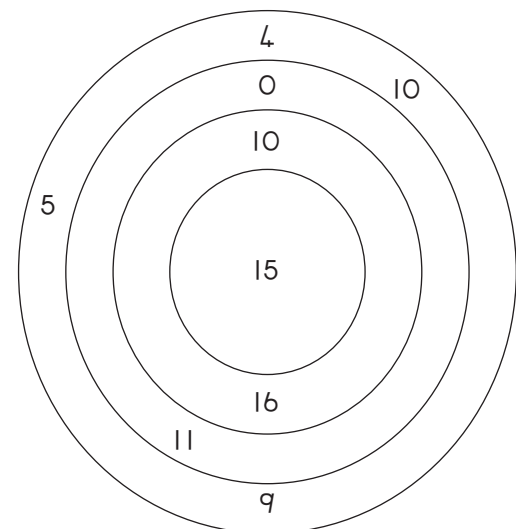
Sekeletsa mola o moleeleleele.
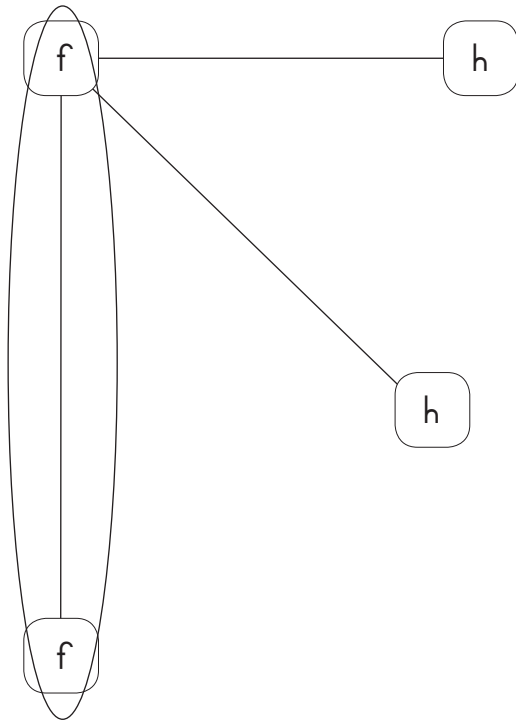
Tirwana ya Khumiso 4.10: Dikarabo

Jane le Jake ba tshameka dimmabole.
Tlhakanya dino kana disekoro sa bona go bona
gore ke mang yo o fenyang.

● Jane (40)   ○ **Jake (45)**

Tirwana ya Khumiso 4.11: Dikarabo

Aroganya sekwere se go ya ka dikwere di le nne
tse dinnyanenyana.
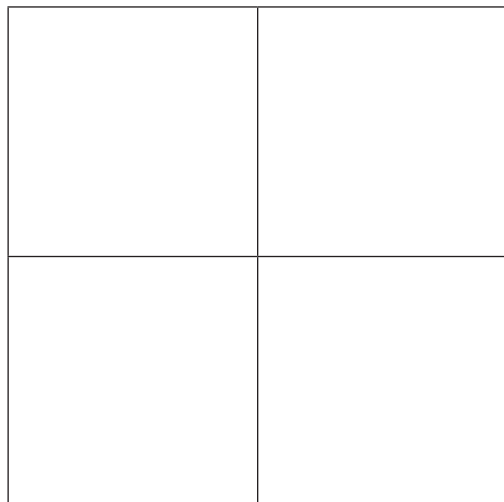
Tirwana ya Khumiso 4.12: Dikarabo

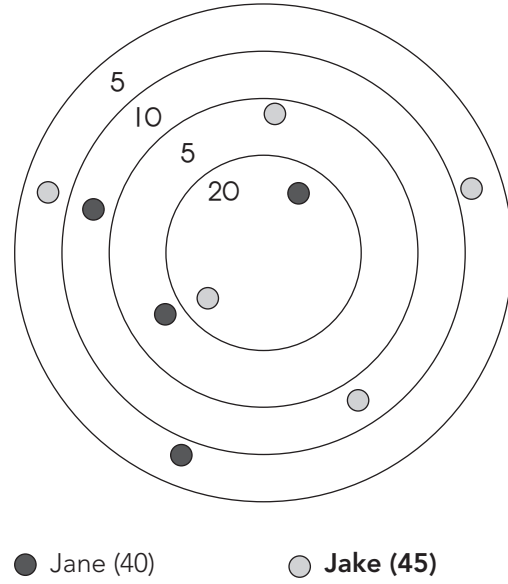Dirisa dipalo go bona gore ke dipalo tse kae tse
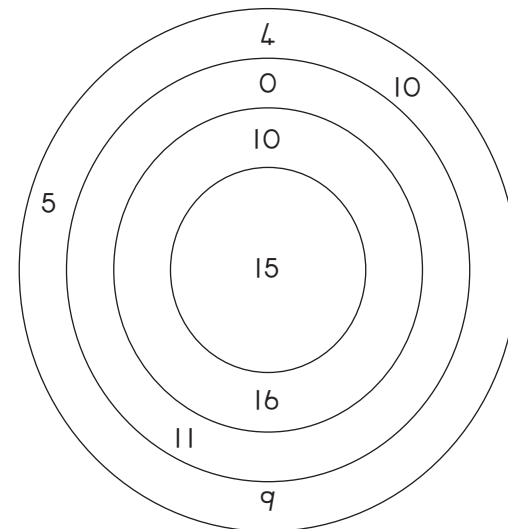o ka di dirang 20 e le karabo.

O kgona go dira dipalo di le 4:

10 + 10, 15 + 5, 11 + 9, 16 + 4.

Tirwana ya Khumiso 4.13

Golaganya mathata a a mo bolokong ya A le dikarabo tse di mo bolokong ya B.

Boloko A
5 + 14 =
20 – 2 =
16 – 3 =
12 + 6 =
16 + 0 =
10 + 7 =
14 – 4 =
17 + 1 =
15 – 9 =

Boloko B
18
16
19
10
18
18
6
17
13

Tirwana ya Khumiso 4.14

Leka go dira dipalo tse di mo dibolokong tse.

+	8	1	10
2			
4			
6			
8			
10			

Tirwana ya Khumiso 4.15

O bona tse kae $\triangle$?
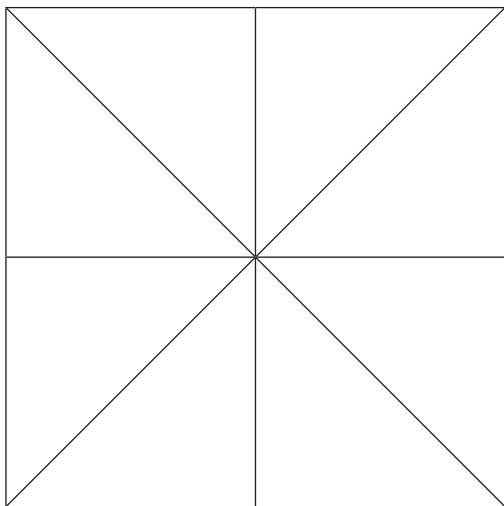
12 Dikhutlotharo   16 Dikhutlotharo

13 Dikhutlotharo   14 Dikhutlotharo

Tirwana ya Khumiso 4.16

Golaganya dipalo le mainapalo.

Dipalo
8
10
9
7
2
4
3

Mainapalo
pedi
Supa
robedi
robonngwe
lesome
tharo
nne

Tirwana ya Khumiso 4.13: Dikarabo

Golaganya mathata a a mo bolokong ya A le dikarabo tse di mo bolokong ya B.

Boloko A	Boloko b
5 + 14 =	18
20 – 2 =	16
16 – 3 =	19
12 + 6 =	10
16 + 0 =	18
10 + 7 =	18
14 – 4 =	6
17 + 1 =	17
15 – 9 =	13

Tirwana ya Khumiso 4.14: Dikarabo

Leka go dira dipalo tse di mo dibolokong tse.

+	8	1	10
2	10	3	12
4	12	5	14
6	14	7	16
8	16	9	18
10	18	11	20

Tirwana ya Khumiso 4.15: Dikarabo

O bona tse kae △ ?
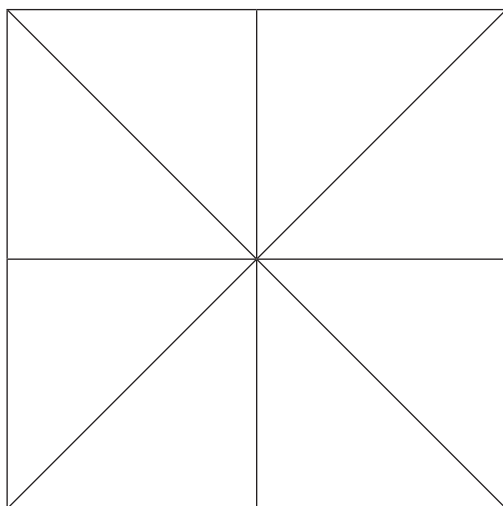
16 Dikhutlotharo

Tirwana ya Khumiso 4.16: Dikarabo

Golaganya dipalo le mainapalo.

Dipalo	Mainapalo
8	robedi
10	lesome
9	robonngwe
7	supa
2	pedi
4	nne
3	tharo

Tirwana ya Khumiso 4.17

Feleletsa lenaneo kana theibole ka go dirisa dipalo.

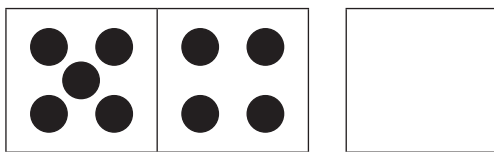| +	5	4	2
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Tirwana ya Khumiso 4.18
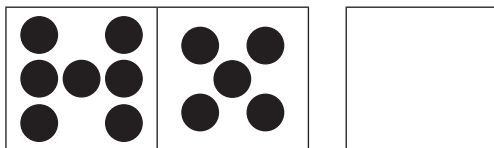
Feleletsa paterone.
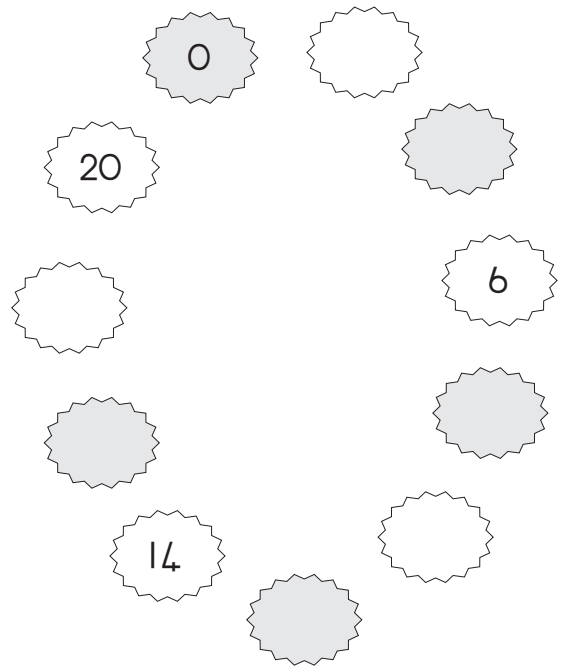
Tirwana ya Khumiso 4.19

Tlhakanya maronthorontho mo mataeseng mme o tlatse dikarabo.
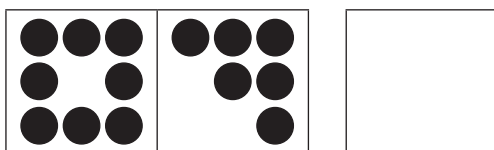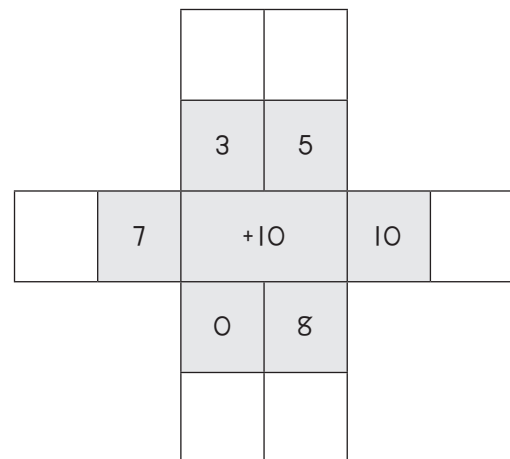
Di tla nna bokae?

Di tla nna bokae?

Di tla nna bokae?

Tirwana ya Khumiso 4.20

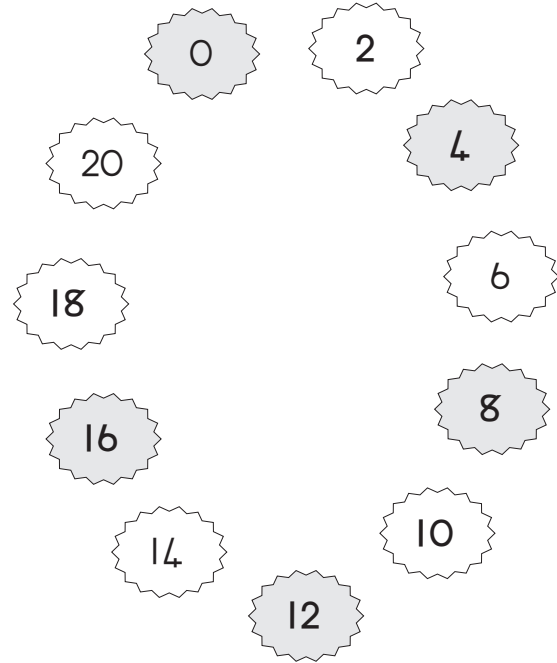Tlhakanya palo e e fa gare le dipalo tse dingwe.

Tirwana ya Khumiso 4.17: Dikarabo

Feleletsa lenaneo kana theibole ka go dirisa dipalo.

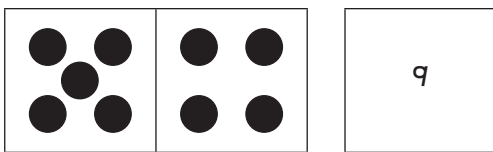| +	5	4	2
1	6	5	3
2	7	6	4
3	8	7	5
4	9	8	6
5	10	9	7
6	11	10	8
7	12	11	9
8	13	12	10
9	14	13	11
10	15	14	12

Tirwana ya Khumiso 4.18: Dikarabo
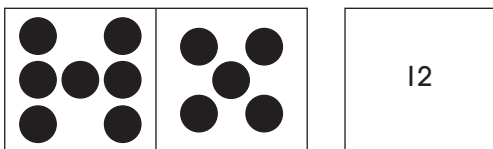
Feleletsa paterone.

Tirwana ya Khumiso 4.19: Dikarabo

Tlhakanya maronthorontho mo mataeseng mme o tlatse dikarabo.
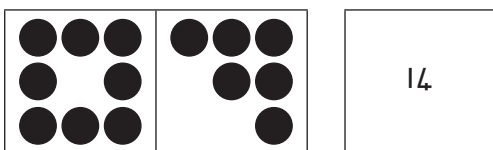
Di tla nna bokae?

9

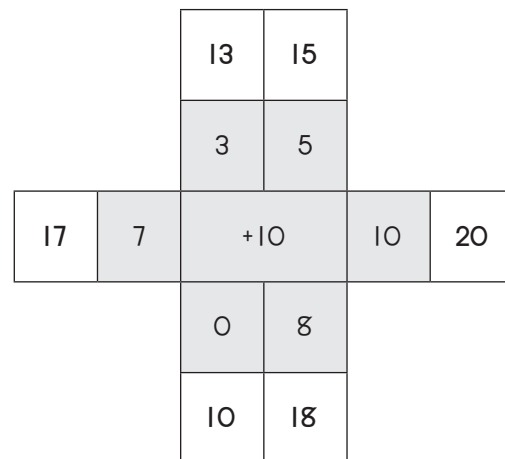Di tla nna bokae?

12

Di tla nna bokae?

14

Tirwana ya Khumiso 4.20: Dikarabo

Tlhakanya palo e e fa gare le dipalo tse dingwe.

	13	15		
	3	5		
17	7	+10	10	20
	0	8		
	10	18		

Tirwana ya Khumiso 4.21

Balela tse di latelang mme o thale mola o o yang kwa karabong.

14 + 1 =

23

3 + 20 =

15

17 – 3 =

12

19 – 7 =

14

Tirwana ya Khumiso 4.22

Tlhakanya dipalo go bona palo e e fa gare.
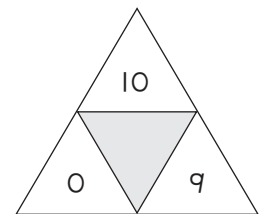
Tirwana ya Khumiso 4.23

Palo mo khutlothatarong nngwe le nngwe e bopiwa ke go tlhakanya dipalo tse di mo dikhutlothatarong tse pedi tse di fa tlase. Balela dipalo tse di tlogetsweng.

3   1   2   4
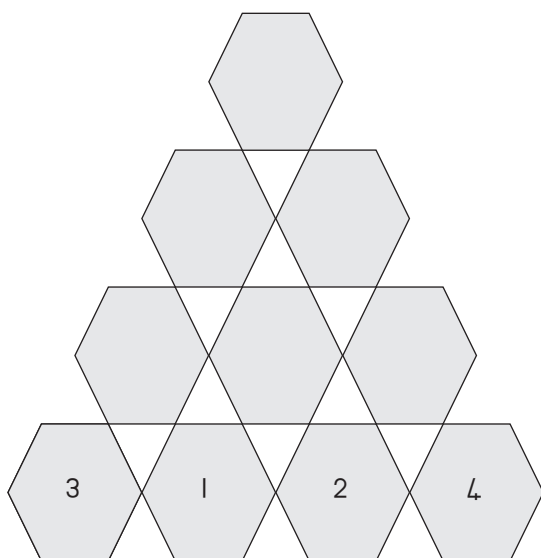
Tirwana ya Khumiso 4.24

Balela mola mongwe le mongwe wa melea. Tlatsa dikarabo. Balela kholomo nngwe le nngwe ya malea.

4	+	2	=	
+		+		+
3	+	7	=	
=		=		=
	+		=	

Tirwana ya Khumiso 4.21: Dikarabo

Balela tse di latelang mme o thale mola o o yang kwa karabong.

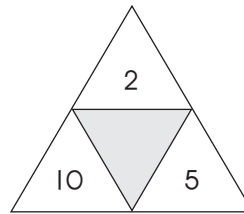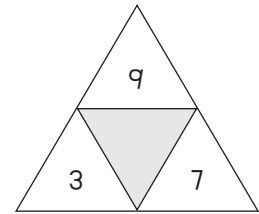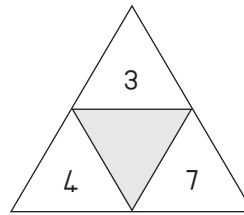14 + 1 =   23

3 + 20 =   15

17 – 3 =   12

19 – 7 =   14

Tirwana ya Khumiso 4.22: Dikarabo

Tlhakanya dipalo go bona palo e e fa gare.

3
14
4   7

9
19
3   7

2
17
10   5

10
19
0   9

Tirwana ya Khumiso 4.23: Dikarabo

Palo mo khutlothatarong nngwe le nngwe e bopiwa ke go tlhakanya dipalo tse di mo dikhutlothatarong tse pedi tse di fa tlase. Balela dipalo tse di tlogetsweng.
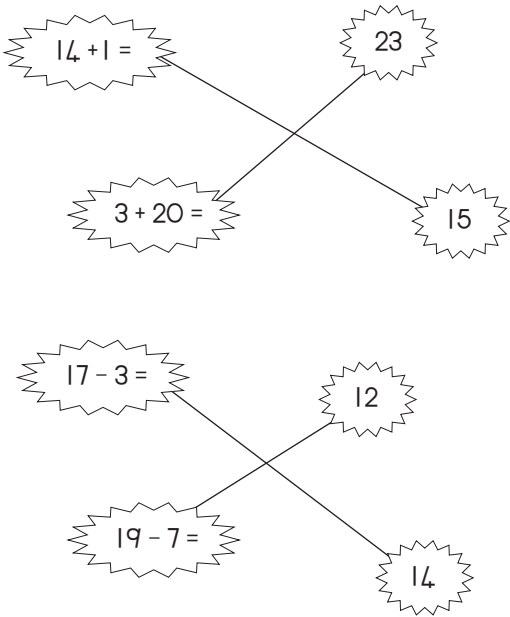
16

7   9

4   3   6

3   1   2   4
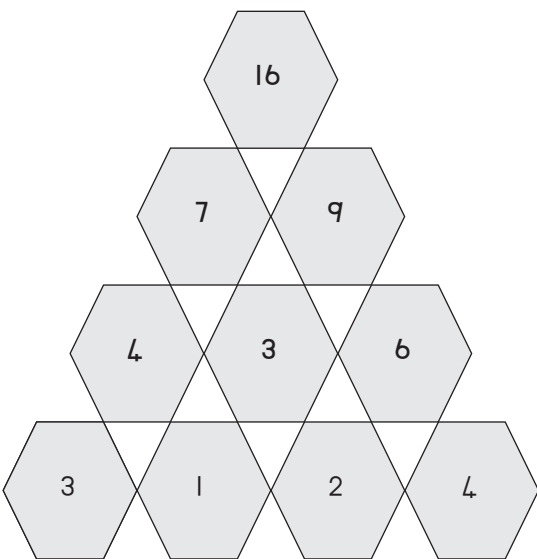
Tirwana ya Khumiso 4.24: Dikarabo

Balela mola mongwe le mongwe wa melea. Tlatsa dikarabo. Balela kholomo nngwe le nngwe ya malea.
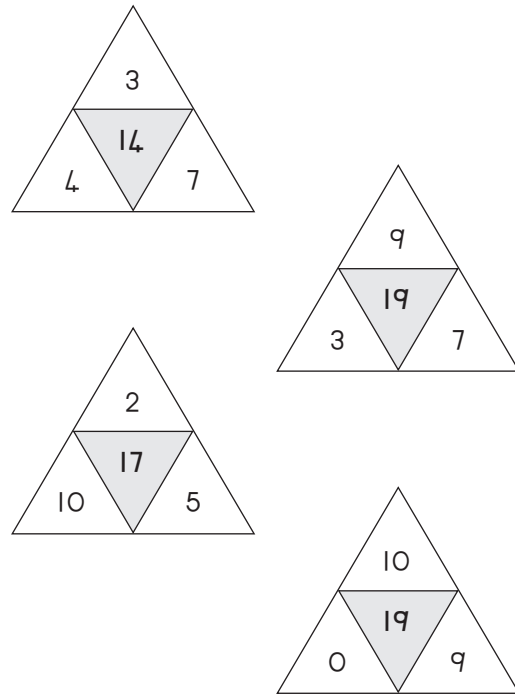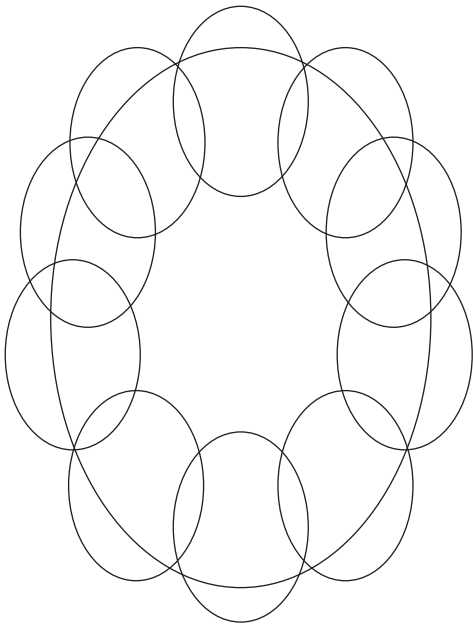
| 4	+	2	=	6
+		+		+
3	+	7	=	10
=		=		=
7	+	9	=	16

Tirwana ya Khumiso 4.25

O bona dikgolokwe tse kae?
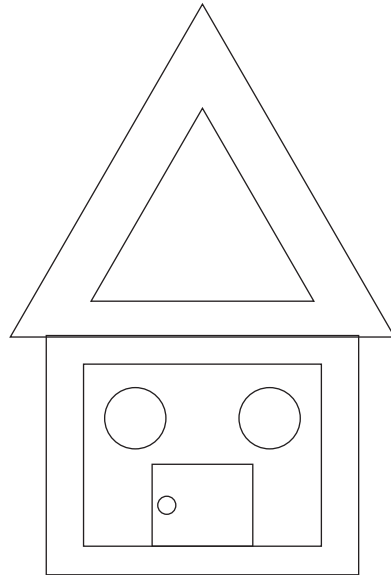
11   24   14

Tirwana ya Khumiso 4.26

O bona ▭ tse kae?

O bona ○ tse kae?
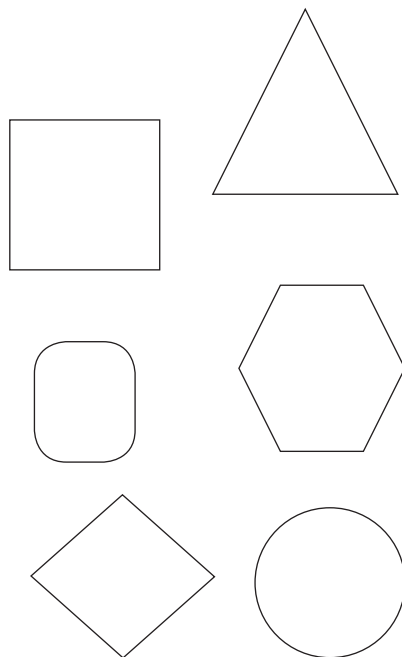
O bona △ tse kae?

Tirwana ya Khumiso 4.27

Naya maina a dibopego tse di farologaneng.
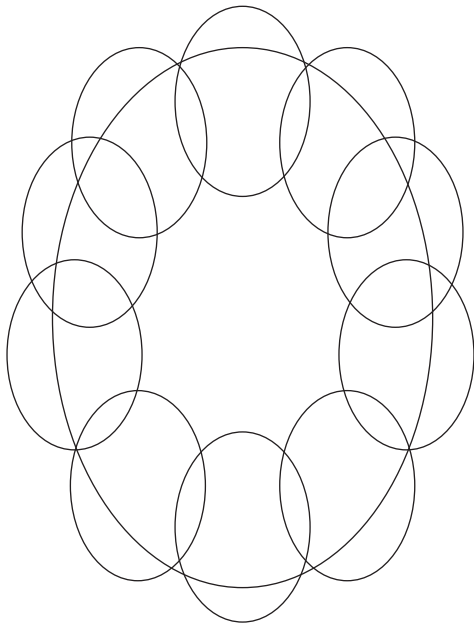
Mafoko a a tlaa go thusa:
khutlotharo, sediko, sekwere.

_____

_____

_____

Tirwana ya Khumiso 4.28

Dirisa dibopego tse go thala setshwantsho.

Tirwana ya Khumiso 4.25: Dikarabo

O bona dikgolokwe tse kae?

11   24   14

Tirwana ya Khumiso 4.26: Dikarabo

O bona ▭ tse kae? (**3**)

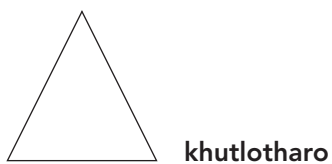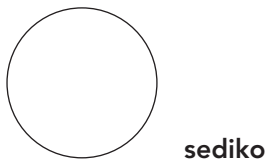O bona ◯ tse kae? (**3**)

O bona △ tse kae? (**2**)
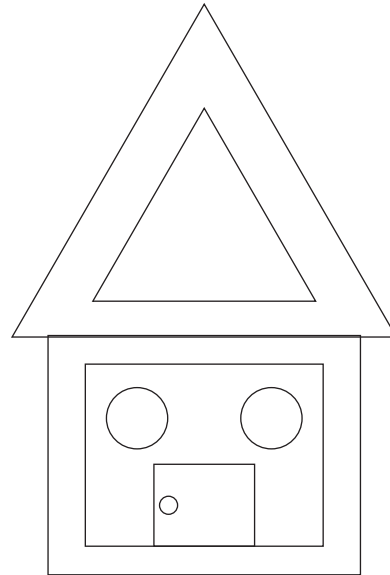
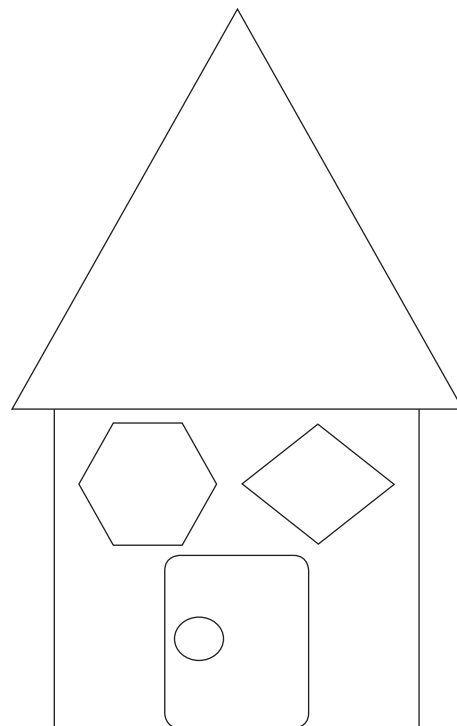## Tirwana ya Khumiso 4.27: Dikarabo

Naya maina a dibopego tse di farologaneng.

Mafoko a a tlaa go thusa:
khutlotharo, sediko, sekwere.
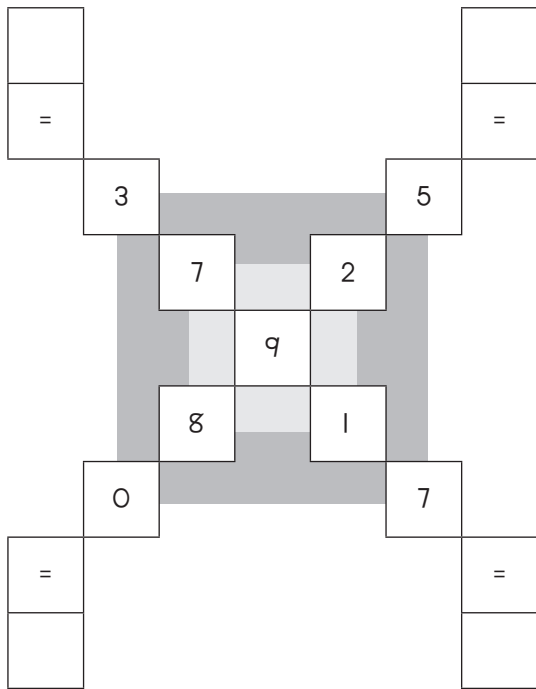
sekwere

sediko

khutlotharo

Tirwana ya Khumiso 4.28: Dikarabo

Dirisa dibopego tse go thala setshwantsho.

Tirwana ya Khumiso 4.29

Tlhakanya mola mongwe le mongwe wa dipalo go bona karabo.

=			=
3		5	
	7	2	
		9	
	8	1	
0		7	
=			=

Tirwana ya Khumiso 4.30

Kwala mainapalo a dipalo dingwe le dingwe tse di latelang.

8	
2	
3	
7	
9	
10	
5	
4	
1	
6	

Tirwana ya Khumiso 4.31

Tlhakanya 10 mme o thale karabo ya gago ka fa letlhakoreng la letsogo la moja.
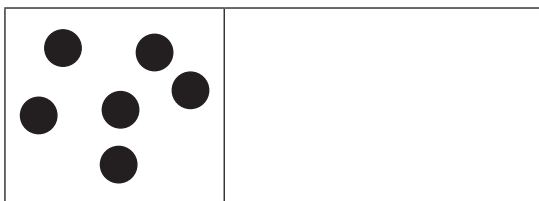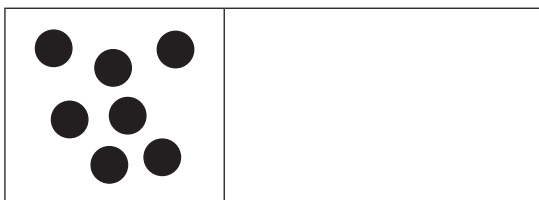
Tirwana ya Khumiso 4.32

Ke palo efe e ntsi? Sekeletsa palo e kgolokgolo.

10	kgotsa	14
12	kgotsa	9
15	kgotsa	5
16	kgotsa	20
0	kgotsa	13
17	kgotsa	7
20	kgotsa	19
5	kgotsa	11
10	kgotsa	11

Tirwana ya Khumiso 4.29: Dikarabo

Tlhakanya mola mongwe le mongwe wa dipalo go bona karabo.

19			16
=			=
3		5	

7   2

9

8   1

0		7
=		=
17		17

Tirwana ya Khumiso 4.30: Dikarabo

Kwala mainapalo a dipalo dingwe le dingwe tse di latelang.

8	robedi
2	pedi
3	tharo
7	supa
9	robonngwe
10	lesome
5	tlhano
4	nne
1	nngwe
6	thataro

Tirwana ya Khumiso 4.31: Dikarabo

Tlhakanya 10 mme o thale karabo ya gago ka fa letlhakoreng la letsogo la moja.

Tirwana ya Khumiso 4.32: Dikarabo

Ke palo efe e ntsi? Sekeletsa palo e kgolokgolo.

10	kgotsa	(14)
(12)	kgotsa	9
(15)	kgotsa	5
16	kgotsa	(20)
0	kgotsa	(13)
(17)	kgotsa	7
(20)	kgotsa	19
5	kgotsa	(11)
10	kgotsa	(11)